

3.4.6 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index (of the university during the year 2018-2019)	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication	
Stability analysis of continuous time-delayed system with input saturation	Nisha, Pal V.C., Negi R., Pati A.	2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2018	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Efficient Approach for Social Recommendations Using Graphs on Neo4j	Virk A., Rani R.	Proceedings of the International Conference on Inventive Research in Computing Applications, ICIRCA 2018	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering Technology, Patiala, Punjab, India	Web of Science
Improving Software Process Quality Using 3D Six Sigma Approach	Kaur A., Kaur H.	Proceedings of the International Conference on Inventive Research in Computing Applications, ICIRCA 2018	2018	36	0	Department of Software Engineering, Department of Computer Science Engineering, Thapar Institute of Engineering and Technology, India	Web of Science
Fingerprint Enhancement Using Wavelet Transformation and Differential Support Vector Machine	Singh M.J., Girdhar A.	Proceedings of the International Conference on Inventive Research in Computing Applications, ICIRCA 2018	2018	36	0	Electrical Engineering Department, MNNIT Allahabad, Allahabad, India; EIED, Thapar Institute of Engineering Technology Patiala, Patiala, India; Department of Electrical Engineering, National Institute of Technology Silchar (Assam), Silchar, India	Web of Science
ED-SHO: A framework for solving nonlinear economic load power dispatch problem using spotted hyena optimizer	Dhiman G., Guo S., Kaur S.	Modern Physics Letters A	2018	36	12	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Punjab Patiala, 147004, India; School of Economics and Management, North China Electric Power University, Beijing, 102206, China; Department of Computer Science and Engineering, Dr. BR Ambedkar National Institute of Technology, Punjab Jalandhar, 144011, India	Web of Science
SLOPE: A Self Learning Optimization and Prediction Ensembler for Task Scheduling	Kapoor L., Jindal A., Benslimane A., Auja G.S., Chaudhary R., Kumar N., Zomaya A.Y.	International Conference on Wireless and Mobile Computing, Networking and Communications	2018	36	0	Sreenidhi Institute of Science and Technology, Hyderabad, Telangana, India; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, (Punjab), India; University of Avignon, France; Computer Science and Engineering Department, Chandigarh University, Gharuan, (Punjab), India; School of Information Technologies, J12, University of SydneyNSW 2006, Australia	Web of Science

Modeling of load balanced scheduling and reliability evaluation for on-demand computing based transaction processing system	Mahato D.P., Sandhu J.K.	Proceedings - IEEE 14th International Conference on eScience, e-Science 2018	2018	36	1	Computer Science and Engineering, BIT Sindri, Dhanbad, Jharkhand 828123, India; Computer Science and Engineering, Thapar University, Patiala, Punjab 147001, India	Web of Science
MCTOPE Ensemble Machine Learning Framework: A Case Study of Routing Protocol Prediction	Hooda N., Bawa S., Rana P.S.	Proceedings on 2018 IEEE 3rd International Conference on Computing, Communication and Security, ICCCS 2018	2018	36	0	CSED TIET, Patiala, India	Web of Science
Dicarboxamide polymorph derivatives for trace-level electrochemical sensing of Cu(ii) supported with crystal structure and theoretical studies	Rana L.K., Sharma R., Ahmed B., Kaur D., Kumar S., Hundal G., Mittal S.K.	Analytical Methods	2018	36	0	Department of Chemistry, UGC Sponsored Centre of Advance Studies-I, Guru Nanak Dev University, Amritsar, Punjab 143005, India; Sri Guru Granth Sahib World University, Chemistry Department, Fatehgarh Sahib, Punjab 140407, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Effect of rotational flow on transition energy in mass asymmetric nuclear reactions	Kaur K., Kumar S.	AIP Conference Proceedings	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Prediction of pressure drop for the flow of zinc ore-water suspension in horizontal pipeline	Verma P., Kumar S., Lal K., Pal Singh J., Prasad S.B.	IOP Conference Series: Materials Science and Engineering	2018	36	0	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University Gharuan, Punjab, 140413, India	Web of Science
Synthesis and characterization of Gd-doped ZnO nanorods	Aggarwal N., Kaur K., Vasisth A., Verma N.K.	AIP Conference Proceedings	2018	36	0	Thapar Institute of Engineering and Technology, Punjab, Patiala, India; National Institute of Technology, Jharkhand, Jamshedpur, India	Web of Science
Isospin effects in transport models to study production of fragments and their flow	Kaur A., Kumar S.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University, Gharuan, Punjab 140413, India	Web of Science
Investigation on the Rheological characteristics and Flow behaviour of Bottom ash-water slurry with additive	Pal Singh J., Kumar S., Mohapatra S.K., Verma P.	IOP Conference Series: Materials Science and Engineering	2018	36	0	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University Gharuan, Punjab, 140413, India	Web of Science
Interconnection between balance energy and transition energy for light charged particles in heavy-ion collisions	Deepshikha, Kumar S.	AIP Conference Proceedings	2018	36	0	Arkade ConsultantsHisar 125005, India; Civil Engineering Department, Thapar Institute of Engineering and Technology (Deemed University), Patiala, 147004, India	Web of Science

Sustainable geopolymer concrete using ground granulated blast furnace slag and rice husk ash: Strength and permeability properties	Mehta A., Siddique R.	Journal of Cleaner Production	2018	36	22	Department of Physics, Chandigarh University Gharuan, Mohali, India; Department of Physics, Chandigarh Group of Colleges, Landran, Mohali, India; School of Physics and Material Science, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Assessment of tracing element characteristics of F-type fly and bottom ash mixture	Kumar S., Singh A., Kumar H.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	36	4	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Department of Mechanical Engineering, Punjabi University, Patiala, India	Web of Science
Multimedia big data computing and Internet of Things applications: A taxonomy and process model	Kumari A., Tanwar S., Tyagi S., Kumar N., Maasberg M., Choo K.-K.R.	Journal of Network and Computer Applications	2018	36	35	Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Pb, India; Department of Computer Science Engineering, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Pb, India; Department of Computer Information Systems, Louisiana Tech University, Ruston, LA 71272, United States; Department of Information Systems and Cyber Security and Department of Electrical and Computer Engineering, University of Texas at San Antonio, San Antonio, TX 78249, United States	Web of Science
Efficient copy-move forgery detection using blur and rotation invariant technique	Verma A., Kapoor V., Roy S.	ACM International Conference Proceeding Series	2018	36	0	Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Approximation of Multi Resonant Behaviour of Slotted Patch Antenna via Multi Cavity Model	Chopra A., Kaur J., Kaur N.	Proceedings - ANTEM 2018: 2018 18th International Symposium on Antenna Technology and Applied Electromagnetics	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Enhancement of surface roughness for brittle material during rotary ultrasonic machining	Sharma A., Babbar A., Jain V., Gupta D.	MATEC Web of Conferences	2018	36	6	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
A computational study of Stillinger-Weber silicon at 0.75 GPa in supercooled region	Gautam A.K., Chandra A.	International Journal of Modern Physics B	2018	36	0	Department of Chemical Engineering, National Institute of Technology, Hamirpur, Himachal Pradesh, 177005, India; Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Concise asymmetric syntheses of (S)-ethyl 4-methyloctanoate and its acid: Aggregation pheromones of rhinoceros beetles of the genus Oryctes	Pandey R., Prakash R.	Arkivoc	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147 001, India	Web of Science

CDF and MGF based analysis over Rayleigh TWDP shadowed fading channel for indoor communication	Shankar H., Kansal A.	International Journal of Electronics	2018	36	1	Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
4-Elements MIMO System Integrated with Planar Monopole and Slot Antenna for Wireless Applications	Kaur H., Singh H.S., Upadhyay R.	RFM 2018 - 2018 IEEE International RF and Microwave Conference, Proceedings	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147001, India	Web of Science
Review of Live Virtual Machine Migration Techniques in Cloud Computing	Kaur J., Chana I.	2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Migraine disease diagnosis from EEG signals using Non-linear Feature Extraction Technique	Jindal K., Upadhyay R., Singh H.S., Vijay M., Sharma A., Gupta K., Gupta J., Dube A.	2018 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2018	2018	36	0	Department of Computer Science Engg., Thapar Institute of Engineering Technology, Patiala, India	Web of Science
Unequal clustering - An enhancement to network longevity in WSNs	Guleria K., Verma A.K.	2018 4th International Conference on Computing Communication and Automation, ICCCA 2018	2018	36	0	Department of Computer Science Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Machine learning-based voltage dip measurement of smart energy meter	Vora J., Vekaria D., Tanwar S., Tyagi S.	PDGC 2018 - 2018 5th International Conference on Parallel, Distributed and Grid Computing	2018	36	2	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Clonal selection based parallel fuzzy clustering using map-reduce	Saneja B., Rani R.	PDGC 2018 - 2018 5th International Conference on Parallel, Distributed and Grid Computing	2018	36	0	Electronics Communication Dept., Thapar Institute of Engineering Technology, Patiala, India	Web of Science
C-HDESHO: Cancer classification framework using single objective meta-heuristic and machine learning approaches	Sharma A., Rani R.	PDGC 2018 - 2018 5th International Conference on Parallel, Distributed and Grid Computing	2018	36	1	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Software optimization of lightweight ciphers for resource constraint devices	Kaur K., Bansal M., Agarwal A., Kumar A.	PDGC 2018 - 2018 5th International Conference on Parallel, Distributed and Grid Computing	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Tensor decomposition of biometric data using singular value decomposition	Mistry N., Tanwar S., Tyagi S., Singh P.K.	PDGC 2018 - 2018 5th International Conference on Parallel, Distributed and Grid Computing	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
M-ITRS: Mathematical model for identification of tandem repeats in DNA sequence	Kumar A., Garhwal S.	IAES International Journal of Artificial Intelligence	2018	36	0	EIED, Thapar University, Patiala, Punjab, India	Web of Science
Technological advances to maximize solar collector energy output: A review	Salvi S.S., Bhalla V., Taylor R.A., Khullar V., Otanicar T.P., Phelan P.E., Tyagi H.	Journal of Electronic Packaging, Transactions of the ASME	2018	36	1	Department of ECE, Thapar University, Patiala, India	Web of Science

Effect of interaction of the various modes on the radial velocity curves of the polytropic models of rotationally and tidally distorted pulsating variable stars	Kumar T., Pathania A., Lal A.K.	Research in Astronomy and Astrophysics	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Symmetry Analysis of Variable-Coefficient Time-Fractional Nonlinear Systems of Partial Differential Equations	Gupta R.K., Singla K.	Theoretical and Mathematical Physics(Russian Federation)	2018	36	1	Electronics and Communication Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
Global gbest guided-artificial bee colony algorithm for numerical function optimization	Shah H., Tairan N., Garg H., Ghazali R.	Computers	2018	36	4	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Unification of the fixed point in integral type metric spaces	Panda S.K., Alamri B.A.S., Hussain N., Chandok S.	Symmetry	2018	36	2	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Algorithm for T-spherical fuzzy multi-attribute decision making based on improved interactive aggregation operators	Garg H., Munir M., Ullah K., Mahmood T., Jan N.	Symmetry	2018	36	10	Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Genetic Variants in the Wingless Antagonist Genes (sFRP, DKK, and Axin2) Predict the Overall Survival and Prognosis of North Indian Lung Cancer Patients Treated with Platinum-Based Doublet Chemotherapy	Bahl C., Singh N., Behera D., Sharma S.	Cancer Biotherapy and Radiopharmaceuticals	2018	36	0	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Fluorescent carbon dot decorated MnO ₂ nanorods for complete photomineralization of phenol from water	Mehta A., Mishra A., Basu S.	Environmental Science: Water Research and Technology	2018	36	1	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Highly conserved hemagglutinin peptides of H1N1 influenza virus elicit immune response	Lohia N., Baranwal M.	3 Biotech	2018	36	2	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, Bhadson Road, Patiala, Punjab 147004, India; Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, Bhadson Road, Patiala, Punjab 147004, India; Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Bhadson Road, Patiala, Punjab 147004, India	Web of Science
Effect of B ₄ abrasive mixed into dielectric fluid on electrical discharge machining	Shard A., Shikha D., Gupta V., Garg M.P.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	36	3	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Web of Science

A numerical treatment of unsteady three-dimensional hydromagnetic flow of a Casson fluid with Hall and radiation effects	Prashu, Nandkeolyar R.	Results in Physics	2018	36	0	Optical Fiber Communication Research Laboratory (OFCR Lab), ECE Department, Thapar Institute of Engineering and Technology University, Patiala, Punjab 147004, India	Web of Science
Controlling ambipolar current of dopingless tunnel field-effect transistor	Tirkey S., Yadav D.S., Sharma D.	Applied Physics A: Materials Science and Processing	2018	36	2	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Electromyographic Signal-Driven Continuous Locomotion Mode Identification Module Design for Lower Limb Prosthesis Control	Gupta R., Agarwal R.	Arabian Journal for Science and Engineering	2018	36	7	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
An Extended Version of Flower Pollination Algorithm	Singh D., Singh U., Salgotra R.	Arabian Journal for Science and Engineering	2018	36	6	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Adaptive Differential Evolution-Based Lorenz Chaotic System for Image Encryption	Kaur M., Kumar V.	Arabian Journal for Science and Engineering	2018	36	12	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab, India	Web of Science
A Computationally Efficient Weight Pruning Algorithm for Artificial Neural Network Classifiers	Sakshi, Ravi Kumar	Arabian Journal for Science and Engineering	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
A novel framework for writer identification based on pre-segmented Gurmukhi characters	Kumar M., Jindal M.K., Sharma R.K., Jindal S.R.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	1	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab 147004, India	Web of Science
Potential Risk by Disposal of Bottom Ash from Thermal Power Plants and Minimization by Addition of NaHCO_3	Singh G., Kumar S., Mohapatra S.K.	Bulletin of Environmental Contamination and Toxicology	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Fission Cross Sections and Fragment Mass Distribution of Actinide Nuclei Formed in n-Induced Reactions	Kaur A., Kaur G., Sharma M.K.	Brazilian Journal of Physics	2018	36	4	Computer Science Engineering Department, Thapar University, Patiala, India	Web of Science
New Lightweight Architectures for Secure FSM Design to Thwart Fault Injection and Trojan Attacks	Rathor V.S., Garg B., Sharma G.K.	Journal of Electronic Testing: Theory and Applications (JETTA)	2018	36	0	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; Department of Physiology, S.M.S. Medical College and Attached Hospitals, Jaipur, India	Web of Science
Photocatalytic study of $\text{ZnS-Ag}_2\text{S}$ nanocomposites-effect of thioglycerol	Kaur J., Gupta A., Pandey O.P.	Solar Energy	2018	36	13	Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, India; Department of ECE, Thapar Institute of Engineering Technology, Deemed University, Patiala, India	Web of Science

Biometrics-Based Privacy-Preserving User Authentication Scheme for Cloud-Based Industrial Internet of Things Deployment	Das A.K., Wazid M., Kumar N., Vasilakos A.V., Rodrigues J.J.P.C.	IEEE Internet of Things Journal	2018	36	18	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India; Department of Mathematics and Statistics, International Islamic University, Islamabad, 44000, Pakistan	Web of Science
Multilayer Graphene Nanoribbon (MLG NR) as VLSI Interconnect Material at Nano-scaled Technology Nodes	Sharma H., Sandha K.S.	Transactions on Electrical and Electronic Materials	2018	36	1	Department of Biotechnology, Thapar University, Patiala, India; Department of Pulmonary Medicine, Institute of Medical Education and Research, Chandigarh, India	Web of Science
Longitudinal Dispersion Subjected to Rigid Vegetation in a Channel	Ratha D., Chandra A., Babbar R., Sarkar A.	KSCE Journal of Civil Engineering	2018	36	0	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, 147004, India; School of Life Sciences, Jaipur National University, Jaipur, India	Web of Science
New logarithmic operational laws and their applications to multiattribute decision making for single-valued neutrosophic numbers	Garg H., Nancy	Cognitive Systems Research	2018	36	24	Department of Mechanical Engineering, DAV University, Jalandhar, Punjab 144001, India; School of Physics and Material Sciences, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Performance prediction of PV module using electrical equivalent model and artificial neural network	Mittal M., Bora B., Saxena S., Gaur A.M.	Solar Energy	2018	36	11	School of Mathematics, Thapar Institute of Engineering & Technology, Patiala, 147004, India; Department of Mathematics, National Institute of Technology Jamshedpur, Jamshedpur, 831014, India	Web of Science
Na ²⁺ doped CeO ₂ and their structural, optical, conducting and dielectric properties	Jaidka S., Khan S., Singh K.	Physica B: Condensed Matter	2018	36	6	PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, Jabalpur, India; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
On the scaling of nuclear flow in mass asymmetric heavy ion reactions	Kaur K., Kumar S.	Nuclear Physics A	2018	36	0	School of Mechanical Engineering, Lingaya's Vidyapeeth, Faridabad, 121002, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Surfactant enhanced drying of waterbased poly(vinyl alcohol) coatings	Sharma D., Sharma J., Arya R.K., Ahuja S., Agnihotri S.	Progress in Organic Coatings	2018	36	2	ABV- Indian Institute of Information Technology and Management, Gwalior, India; Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Study of α -induced reactions forming A = 60 compound systems within dynamical cluster-decay model	Kaur M., Singh B., Sharma M.K., Gupta R.K.	Nuclear Physics A	2018	36	0	Dept. of Civil Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Dept. of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; School of Infrastructure, Indian Institute of Technology, Bhubaneswar, Odisha, India	Web of Science
A Novel Approach for Determination of Power Quality Monitoring Index of an AC Microgrid Using Fuzzy Inference System	Kaushal J., Basak P.	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	2018	36	2	Thapar Institute of Engineering & Technology, Patiala, Punjab, India; National Institute of Solar Energy, Gurugram, Haryana, India	Web of Science

Strong magnetoelectric effect in pulse laser deposited $[\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3/\text{CoFe}_2\text{O}_4$ bilayer thin film	Rani J., Kushwaha V.K., Kolve J., Tomy C.V.	Journal of the American Ceramic Society	2018	36	3	School of Physics and Material Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, Central University of Haryana, Jant-Pali, Haryana, Mahendergarh, India	Web of Science
Waste materials as potential catalysts for biodiesel production: Current state and future scope	Marwaha A., Rosha P., Mohapatra S.K., Mahla S.K., Dhir A.	Fuel Processing Technology	2018	36	25	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, 147004, India; School of Energy and Environment, Thapar Institute of Engineering & Technology, Patiala, 147004, India; Department of Mechanical Engg., I.K. Gujral Punjab Technical University Campus, Hoshiarpur, 146001, India	Web of Science
Sensitivity enhancement of FBG sensor for portlandite monitoring	Kaur G., Kaler R.S.	Optical Fiber Technology	2018	36	2	Department of Computer Science and Engineering, Thapar University, Patiala, India; Lal Bahadur Shastri National Academy of Administration, Mussorie, Uttrakhand, India	Web of Science
Approaches in Cultural Computing: A Survey and Inference from Social Computing with Dynamics of Mind	Sharma S., Bawa S., Lomash H.	Wireless Personal Communications	2018	36	1	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, Bhadson Road, Patiala, Punjab 147004, India; Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, Bhadson Road, Patiala, Punjab 147004, India; Department of Metallurgical and Materials Engineering, National Institute of Technology, Surathkal, Mangalore, Karnataka 575025, India	Web of Science
Low temperature synthesis of NbC/C nano-composites as visible light photoactive catalyst	Gupta A., Mittal M., Singh M.K., Suib S.L., Pandey O.P.	Scientific Reports	2018	36	14	Department of Mechanical Engineering, Thapar University, India; Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, India	Web of Science
N, Ag co-doped TiO_2 mediated modified in-situ dual process (modified photocatalysis and photo-Fenton) in fixed-mode for the degradation of Cephalexin under solar irradiations	Bansal P., Verma A.	Chemosphere	2018	36	6	Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of ECE, Thapar Institute of Engineering Technology, Deemed University, Patiala, India; Department of CSE, Jaypee University of Information Technology, Waknaghat, H.P., India	Web of Science
Crosslinked polymer doped binary coatings for corrosion protection	Kaur H., Sharma J., Jindal D., Arya R.K., Ahuja S.K., Arya S.B.	Progress in Organic Coatings	2018	36	7	Department of Mathematics and Statistics, Central University of Punjab, Bathinda, Punjab, India; Department of Mathematics, School of Physical and Mathematical Sciences, Central University of Haryana, Mahendergarh, Haryana, India; School of Mathematics, Thapar University, Patiala, Punjab, India	Web of Science

Role of particle size distribution and magnetic anisotropy on magnetization of antiferromagnetic nanoparticles	Kaur N., Tiwari S.D.	Journal of Physics and Chemistry of Solids	2018	36	2	College of Computer Science, King Khalid University, Abha, 62529, Saudi Arabia; School of Mathematics, Thapar Patiala, Punjab 147004, India; Institute of Engineering & Technology (Deemed University), Patiala, Punjab 147004, India; Faculty of Computer Science, Universiti Tun Hussein Onn Malaysia, Batu PahatJohor 83000, Malaysia	Web of Science
Applicability of heat mirrors in reducing thermal losses in concentrating solar collectors	Khullar V., Mahendra P., Mittal M.	Journal of Thermal Science and Engineering Applications	2018	36	2	Department of Mathematics, Basic Sciences and Humanities, GMR Institute of Technology, GMR Nagar, Rajam, Srikakulam Dist., Andhra Pradesh, 532127, India; Department of Mathematics, King Abdulaziz University, P.O. Box 80203, Jeddah, 21589, Saudi Arabia; School of Mathematics, Thapar Institute of Engineering and Technology, Deemed to be University, Patiala, Punjab, 147004, India	Web of Science
Magneto hydrodynamic mixed convective flow due to a vertical plate with induced magnetic field	Nandkeolyar R., Narayana M., Motsa S.S., Sibanda P.	Journal of Thermal Science and Engineering Applications	2018	36	4	Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Physics, Panjab University, Chandigarh, 160014, India	Web of Science
Selenium-rich mushrooms cultivation on a wheat straw substrate from seleniferous area in Punjab, India	Solovyev N., Prakash N.T., Bhatia P., Prakash R., Drobyshev E., Michalke B.	Journal of Trace Elements in Medicine and Biology	2018	36	2	Department of Physics, Vardhaman College, Bijnor, India; Department of Physics, Indian Institute of Technology Bombay, Mumbai, India; School of Physics and Materials Science, Thapar University, Patiala, India	Web of Science
Complex intuitionistic fuzzy power aggregation operators and their applications in multicriteria decision-making	Rani D., Garg H.	Expert Systems	2018	36	42	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Mechanical Engineering, Indian Institute of Science, Bangalore, 560012, India; Department of Chemistry, University of Connecticut, 55 North Eagleville Rd., Storrs, CT 06269, United States	Web of Science
PFCA: An influence-based parallel fuzzy clustering algorithm for large complex networks	Bhatia V., Rani R.	Expert Systems	2018	36	1	Department of Computational Sciences, Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India; Department of Computer Science and Applications, Panjab University Regional Centre, Muksar, India; Department of Computer Science and Engineering, Thapar University, Patiala, India; Computer Science and Engineering, Yadavindra College of Engineering, Talwandi Sabo, Bathinda, India	Web of Science

Some hybrid weighted aggregation operators under neutrosophic set environment and their applications to multicriteria decision-making	Garg H., Nancy	Applied Intelligence	2018	36	19	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Mathematics, M. S. Ramaiah University of Applied Sciences, Peenya Campus, Bengaluru, 560058, India; Mathematics Department, University of Swaziland, Private Bag 4, Kwaluseni, M201, Swaziland; School of Mathematics, Statistics and Computer Science, University of KwaZulu-Natal, Private Bag X01, Scottsville, Pietermaritzburg, 3209, South Africa	Web of Science
Imbalance of dietary nutrients and the associated differentially expressed genes and pathways may play important roles in juvenile Kashin-Beck disease	Ning Y., Wang X., Zhang P., Anatoly S.V., Prakash N.T., Li C., Zhou R., Lammi M., Zhang F., Guo X.	Journal of Trace Elements in Medicine and Biology	2018	36	4	St. Petersburg State University, Institute of Chemistry, 199034 Universitetskaya nab. 7/9, St. Petersburg, Russian Federation; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, India; Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, India; Institut für Ernährungswissenschaft, Universität Potsdam, Arthur-Scheunert-Allee 114-116, Nuthetal, Potsdam, 14558, Germany; Helmholtz Zentrum München – German Research Center for Environmental Health, Research Unit Analytical BioGeoChemistry, Ingolstaedter Landstr.1, Neuherberg, 85764, Germany	Web of Science
Suppression of contact bounce in beam-type microelectromechanical switches using a feedforward control scheme	Godara R.K., Joglekar M.M.	JVC/Journal of Vibration and Control	2018	36	1	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, 140001, India; School of Mechanical and Manufacturing Engineering, School of Photovoltaics and Renewable Energy Engineering, University of New South Wales, Sydney, 2052, Australia; Mechanical Engineering Department, Thapar University, Punjab, Patiala, 147004, India; Department of Mechanical Engineering, University of Tulsa, Tulsa, OK 74104, United States; School for Engineering of Matter, Transport and Energy, Arizona State University, Tempe, AZ 85287, United States; Centre for Energy and Environmental Engineering, National Institute of Technology, Hamirpur, Himachal Pradesh, India	Web of Science

Optical Detection of Thiol Drugs by Core–Shell Luminous Carbon Dots—Gold Nanoparticles System	Mehta A., Mishra A., Basu S.	Plasmonics	2018	36	1	Department of Mathematics, Ch. Charan Singh University, Meerut, Uttar Pradesh 250 005, India; School of Computer Science and Engineering, VIT University, Vellore, Tamilnadu 632 014, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; School of Computer Science and Engineering, Hunan University of Science and Technology, Xiangtan, 411201, China; Department of Computer Science and Engineering, Xiamen Institute of Technology, Xiamen, 361021, China; Department of Computer Science and Engineering, Thapar University, Patiala, 147 004, India	Web of Science
User behavior analysis-based smart energy management for webpage ranking: Learning automata-based solution	Makkar A., Kumar N.	Sustainable Computing: Informatics and Systems	2018	36	5	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; Department of Computer Science and Engineering, Manipal Academy of Higher Education, Manipal Institute of Technology, Manipal, 576 104, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147 004, India; Department of Computer Science, Electrical and Space Engineering, Lulea University of Technology, Lulea, 971 87, Sweden; Post-Graduation Program on Telecommunications, National Institute of Telecommunications (Inatel), Santa-Rita-do-Sapucaí, 37540-000, Brazil; Covilhã Delegation, Instituto de Telecomunicações, Lisbon, 1049-001, Portugal; PPGIA, University of Fortaleza, Fortaleza, 60811-905, Brazil	Web of Science
A secure authentication scheme based on elliptic curve cryptography for IoT and cloud servers	Kumari S., Karuppiah M., Das A.K., Li X., Wu F., Kumar N.	Journal of Supercomputing	2018	36	31	School of Public Health, Xi'an Jiaotong University Health Science Center, Key Laboratory of Trace Elements and Endemic Diseases, National Health and Family Planning Commission, Xi'an, Shaanxi 710061, China; Xi'an Jiaotong University Global Health Institute, China; All-Russian Research Institute of Medicinal and Aromatic Plants, Moscow, Russian Federation; Orenburg State University, Orenburg, Russian Federation; Yaroslavl State University, Yaroslavl, Russian Federation; RUDN University, Moscow, Russian Federation; Department of Biotechnology and Environmental Sciences, Thapar University, Patiala, India; Shaanxi Provincial Institute for Endemic Disease Control, China; Department of Integrative Medical Biology, University of Umeå, Umeå, Sweden	Web of Science

An Improved Firefly Algorithm for the Vehicle Routing Problem with Time Windows	Aggarwal D., Kumar V.	2018 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2018	2018	36	0	Computer Science and Engineering Department, NIIT University, Neemrana, Rajasthan, India; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Temperature dependent bond strength model for GFRP laminate externally bonded to heat-damaged concrete	Danie Roy A.B., Ganesh R., Waseem S.A., Shermi C., Venkatesan J.	Construction and Building Materials	2018	36	1	Department of Civil Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Structural Engineering Division, Central Building Research Institute, Roorkee, 247667, India; Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee, 247667, India	Web of Science
Extensions of Móricz classes and convergence of trigonometric sine series in $L^{sup>1</sup>-norm}$	Chouhan S.K., Kaur J., Bhatia S.S.	Mathematics	2018	36	1	Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Algorithm for probabilistic dual hesitant fuzzy multi-criteria decision-making based on aggregation operators with new distance measures	Garg H., Kaur G.	Mathematics	2018	36	14	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University) Patiala, Punjab, 147004, India	Web of Science
Bimetallic Pd@Ni-mesoporous TiO ₂ nanocatalyst for highly improved and selective hydrogenation of carbonyl compounds under UV light radiation	Bathla A., Pal B.	Journal of Industrial and Engineering Chemistry	2018	36	2	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Using deep learning to enhance head and neck cancer diagnosis and classification	Gupta P., Malhi A.K.	2018 IEEE International Conference on System, Computation, Automation and Networking, ICSCA 2018	2018	36	1	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
A quantum approach for time series data based on graph and Schrödinger equations methods	Singh P., Dhiman G., Kaur A.	Modern Physics Letters A	2018	36	13	Smt. Chandaben Mohanbhai Patel Institute of Computer Applications, Charusat Campus, Changa, Anand, Gujarat, 388421, India; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Photocatalysis of Graphene and Carbon Nitride-Based Functional Carbon Quantum Dots	Mishra A., Basu S., Shetti N.P., Reddy K.R., Aminabhavi T.M.	Nanoscale Materials in Water Purification	2018	36	9	Instituto Tecnológico de Aeronáutica, Sao José dos Campos, SP 12.228-900, Brazil; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Recent Progress in TiO ₂ - and ZnO-Based Nanostructured Hybrid Photocatalysts for Water Purification and Hydrogen Generation	Venkata Reddy C., Reddy K.R., Shetti N.P., Mishra A., Basu S.	Nanoscale Materials in Water Purification	2018	36	5	Department of Mechanical Engineering, Chandigarh University, Mohali, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

Fusion cross section for Ni-based reactions within the relativistic mean-field formalism	Bhuyan M., Kumar R.	Physical Review C	2018	36	1	Department of Mechanical Engineering, Guru Jambheshwar University of Science and Technology Hisar, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Taguchi approach to erosion wear optimization of WC-10Co-4Cr sprayed austenitic steel subjected to equisized slurry	Singh G., Kumar S., Sehgal S.S.	Industrial Lubrication and Tribology	2018	36	2	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, India; Electrochemistry and Materials Group, Department of Chemistry, K. L. E. Institute of Technology, Hubballi, India; School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney, NSW, Australia; Sonia College of Pharmacy, Dharwad, India	Web of Science
Tribological behaviour of WC-10Co4Cr coated slurry pipe materials	Kumar K., Kumar S., Gupta M., Garg H.C.	Industrial Lubrication and Tribology	2018	36	1	School of Mechanical Engineering, Yeungnam University, Gyeongsan, South Korea; School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney, NSW, Australia; Electrochemistry and Materials Group, Department of Chemistry, K. L. E. Institute of Technology, Hubballi, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Parallel non-dominated sorting genetic algorithm-II-based image encryption technique	Kaur M., Kumar V.	Imaging Science Journal	2018	36	2	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Study of particle size distribution of pulverized coals in utility boilers	Vishnoi N., Mohapatra S.K.	Particulate Science and Technology	2018	36	1	Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
Biogas reforming for hydrogen enrichment by ceria decorated over nickel catalyst supported on titania and alumina	Rosha P., Mohapatra S.K., Mahla S.K., Dhir A.	International Journal of Hydrogen Energy	2018	36	9	Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Influence of intermediates on the optical and theoretical parameters of $x\text{La}_2\text{O}_3-(10-x)\text{Y}_2\text{O}_3-15\text{SrO}-15\text{CaO}-10\text{B}_2\text{O}_3-10\text{Al}_2\text{O}_3-40\text{SiO}_2$ ($2 \leq x \leq 8$) glasses	Kaur M., Kaur G., Kumar V.	Journal of Non-Crystalline Solids	2018	36	1	School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Seed oil of <i>Jatropha curcas</i> L. germplasm: Analysis of oil quality and fatty acid composition	Kumar R., Das N.	Industrial Crops and Products	2018	36	2	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, 146001, India	Web of Science

Analyses of lattice hydrodynamic model using delayed feedback control with passing	Kaur R., Sharma S.	Physica A: Statistical Mechanics and its Applications	2018	36	3	Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, 140406, India; School of Physics and Materials Science, Thapar University, Patiala, 147001, India; Shri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India	Web of Science
Simulation Hardware Design of Prototype Current Controller for Plug in Hybrid Electric Vehicle Applications	Ghatora A.S., Garg N.	2018 International Conference on Information, Communication, Engineering and Technology, ICICET 2018	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Experimental Demonstration of in Situ Stress-Driven Optical Modulations in Flexible Semiconducting Thin Films with Enhanced Photodetecting Capability	Lee S.M., Jang W., Mohanty B.C., Yoo J., Jang J.W., Kim D.B., Yi Y., Soon A., Cho Y.S.	Chemistry of Materials	2018	36	2	Department of Electrical Engineering, Guru Nanak Dev Engineering College, Ludhiana, Punjab, 141006, India; Department of Electrical Instrumentation, Thapar University, Patiala, 147004, India	Web of Science
Folksonomy-based user profile enrichment using clustering and community recommended tags in multiple levels	Goel S., Kumar R.	Neurocomputing	2018	36	3	Department of Materials Science and Engineering, Yonsei University, Seoul, 03722, South Korea; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, Yonsei University, Seoul, 03722, South Korea	Web of Science
An efficient speaker recognition using quantum neural network	Kaur R., Sharma R.K., Kumar P.	Modern Physics Letters B	2018	36	4	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India	Web of Science
Astrophysics inspired multi-objective approach for automatic clustering and feature selection in real-life environment	Dhiman G., Kumar V.	Modern Physics Letters B	2018	36	13	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India	Web of Science
On the inadequate equilibrium accomplished in mass asymmetric reactions at intermediate energies	Deepshikha, Kumar S.	Modern Physics Letters A	2018	36	1	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Punjab, Patiala, 147004, India; Department of Physics, Central University of Haryana Jant-Pali, Mahendergarh, Haryana, 123031, India	Web of Science
Gender, Makeup, Age and Illumination Prediction from Faces Using Ensemble Modeling	Nigam K., Sharma S., Rana P.S.	2018 3rd International Conference for Convergence in Technology, I2CT 2018	2018	36	0	Computer Science Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
A Data-Driven Framework for Survivable Wireless Sensor Networks	Kaur Sandhu J., Kumar Verma A., Singh Rana P.	2018 11th International Conference on Contemporary Computing, IC3 2018	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Design and Development of Integrated Insole System for Gait Analysis	Aggarwal A., Gupta R., Agarwal R.	2018 11th International Conference on Contemporary Computing, IC3 2018	2018	36	2	Thapar Institute of Engineering Technology Patiala, Punjab, India	Web of Science

Effects of spatial distribution patterns of magnetic nanoparticles on temperature distribution in magnetic hyperthermia	Singh G., Kumar N., Avti P.K.	EMF-Med 2018 - 1st EMF-Med World Conference on Biomedical Applications of Electromagnetic Fields and COST EMF-MED Final Event with 6th MCM	2018	36	0	Mechanical Engineering Department, TIET, Patiala, India; Department of Biophysics, PGIMER, Chandigarh, India	Web of Science
A Trust Model for Effective Cooperation in Flying Ad Hoc Networks Using Genetic Algorithm	Singh K., Verma A.K.	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018	2018	36	3	Thapar University, Computer Science and Engineering and Technology, Patiala, 147004, India	Web of Science
Clustering Application for Streaming Big Data in Smart Grid	Banga A., Sinha A.	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018	2018	36	2	Thapar Institute of Engineering and Technology, Punjab, India; Department of EIED, Thapar Institute of Engineering and Technology, Punjab, India	Web of Science
Mutual fund investor's behaviour towards information search and selection criteria: Do knowledge and perception about mutual funds matter?	Kaur I.	Qualitative Research in Financial Markets	2018	36	0	LM Thapar School of Management, Thapar University, Patiala, India	Web of Science
Factors affecting financial leveraging for BSE listed real estate development companies in India	Sharma R.K.	Journal of Financial Management of Property and Construction	2018	36	1	School of Humanities and Social Sciences, Thapar Institute of Engineering and Technology (Deemed University), Patiala, India	Web of Science
Infrastructure financing and economic growth in India: an empirical investigation	Chotia V., Rao N.V.M.	Journal of Financial Management of Property and Construction	2018	36	1	LM Thapar School of Management, Thapar Institute of Engineering and Technology (Deemed to be an University), Derabassi Campus, Mohali, Punjab, India; Department of Economics and Finance, Birla Institute of Technology and Science, Pilani, India	Web of Science
Nature-inspired optimisation algorithms assisted realisation of green communication via CR: A comparison study	Kaur A., Sharma S., Mishra A.	IET Communications	2018	36	1	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Effect of feedstocks and chain length of alcohols on whole-cell-catalyzed generation of alkyl esters	Sharma A., Melo J.S., Tejo Prakash N., Prakash R.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	36	0	School of Mathematics, Thapar Institute of Engineering & Technology, Deemed University, Patiala, India	Web of Science
Bonferroni mean aggregation operators under intuitionistic fuzzy soft set environment and their applications to decision-making	Garg H., Arora R.	Journal of the Operational Research Society	2018	36	39	Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
On surface modification of austenitic stainless steel using microwave processed Ni/Cr composite cladding	Kaushal S., Gupta D., Bhowmick H.	Surface Engineering	2018	36	9	Department of Biotechnology, Thapar University, Patiala, India; NA&BTD, Bhabha Atomic Research Centre, Mumbai, India; School of Energy & Environment, Thapar University, Patiala, India; School of Chemistry & Biochemistry, Thapar University, Patiala, India	Web of Science

Enhancement of Corn image quality using Very-Deep Super-Resolution (VDSR) neural network	Rampal H., Das A., Mahajan S., Singh S.	Proceedings of the 3rd International Conference on Inventive Computation Technologies, ICICT 2018	2018	36	0	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Effect of different nuclear density approximations on fusion dynamics within Skyrme Energy Density Formalism	Jain S., Kumar R., Sharma M.K.	European Physical Journal A	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Design and development of high power matching network for variable load	Jain A., Yadav R.P., Kumar S.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2018	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Development of Fiber Optic Sensors for Leak Detection in Underground Energy Storage Pipelines	Gupta R., Kaler R.S.	2018 6th Edition of International Conference on Wireless Networks and Embedded Systems, WECON 2018 - Proceedings	2018	36	0	Computer Science Engineering Department, TIET, Patiala, India	Web of Science
Photonic Based Refractive Index Sensor for Portlandite Monitoring in Civil Structure	Kaur G., Kaler R.S.	2018 6th Edition of International Conference on Wireless Networks and Embedded Systems, WECON 2018 - Proceedings	2018	36	0	Computer Science Engineering Department, TIET, Patiala, India	Web of Science
Nanostructure Materials for Electrochemical Hydrogen Storage: A Review	Jindal H., Sandhu I.S., Chitkara M., Oberoi A.S.	2018 6th Edition of International Conference on Wireless Networks and Embedded Systems, WECON 2018 - Proceedings	2018	36	0	Computer Science and Engineering Department, TIET, Patiala, India	Web of Science
Alkali leaching of indian coal for ash reduction	Singh J.P., Mohapatra S.K., Singh G., Kumar S., Singh M.K.	Iranian Journal of Chemistry and Chemical Engineering	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, 147001, India; Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
Applying Predictive Analytics in Elective Course Recommender System while preserving Student Course Preferences	Verma R., Anika	Proceedings of the 6th IEEE International Conference on MOOCS Innovation and Technology In Education, MITE 2018	2018	36	0	Department of Biotechnology, Thapar Institute of Engineering and Technology, Bhadson Road, Patiala, Punjab 147004, India; TIFAC Centre for Relevance and Excellence (CORE) in Agro and Industrial Biotechnology, Thapar Institute of Engineering and Technology, Bhadson Road, Patiala, Punjab 147004, India; Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Bhadson Road, Patiala, Punjab 147004, India	Web of Science
Analysis of Punctuation Prediction Models for Automated Transcript Generation in MOOC Videos	Garg B., Anika	Proceedings of the 6th IEEE International Conference on MOOCS Innovation and Technology In Education, MITE 2018	2018	36	0	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science

Applying Data Mining Techniques for Generating MOOCs Recommendations on the Basis of Learners Online Activity	Jain H., Anika	Proceedings of the 6th IEEE International Conference on MOOCs Innovation and Technology In Education, MITE 2018	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
A Novel Two-Dimensional Material Based Optical Fiber Surface Plasmon Resonance Sensor for Sensing of Organic Compounds in Infrared Spectrum Window	Singh S., Kaler R.S., Sharma S.	Journal of Communications Technology and Electronics	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Dynamic programming based optimal renewable energy allocation in sustained wireless sensor networks	Sharma A., Kakkar A.	Journal of Renewable and Sustainable Energy	2018	36	2	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
A novel modulation technique for FWM suppression in broadband coherent DWDM systems	Kaur G.P., Kaur G., Sharma S.	Optoelectronics and Advanced Materials, Rapid Communications	2018	36	0	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Invariance properties, conservation laws, and soliton solutions of the time-fractional (2 + 1) -dimensional new coupled ZK system in magnetized dusty plasmas	Kaur B., Gupta R.K.	Computational and Applied Mathematics	2018	36	5	Department of Computer Science, Thapar Institute of Engineering & Technology, India	Web of Science
A family of higher order derivative free methods for nonlinear systems with local convergence analysis	Bhalla S., Kumar S., Argyros I.K., Behl R.	Computational and Applied Mathematics	2018	36	1	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Punjab, 147004, India	Web of Science
SeDaTiVe: SDN-Enabled Deep Learning Architecture for Network Traffic Control in Vehicular Cyber-Physical Systems	Jindal A., Aujla G.S., Kumar N., Chaudhary R., Obaidat M.S., You I.	IEEE Network	2018	36	12	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Improving the thermal efficiency of the homogeneous charge compression ignition engine by using various combustion patterns	Wu Y.-Y., Wang J.H., Mir F.M.	Energies	2018	36	1	Thapar Institute of Engineering and Technology Punjab 147004, India	Web of Science
Decay Analysis of Ge Isotopes Formed in Reactions Induced by Tightly and Loosely Bound Projectiles	Kaur A., Sandhu K., Sharma M.K.	Communications in Theoretical Physics	2018	36	2	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Implementation Techniques for Frequency Phasor Estimation in Phasor Measurement Units (PMUs)	Jain A., Bhardwaj A., Kumar S., Bhullar S.	Proceedings - 2018 3rd International Conference On Internet of Things: Smart Innovation and Usages, IoT-SIU 2018	2018	36	0	Department of Mechanical Engineering, Thapar University, Patiala, 147001, India	Web of Science

Image Processing Based Analysis of Cracks on Vertical Walls	Vora J., Patel M., Tanwar S., Tyagi S.	Proceedings - 2018 3rd International Conference On Internet of Things: Smart Innovation and Usages, IoT-SIU 2018	2018	36	0 Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Performance Evaluation of SDN based Virtualization for Data Center Networks	Vora J., Kaneriya S., Tanwar S., Tyagi S.	Proceedings - 2018 3rd International Conference On Internet of Things: Smart Innovation and Usages, IoT-SIU 2018	2018	36	3 School of Physics and Materials Science, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Impact analysis of variation in geometrical features on intrinsic characteristics of capacitive micro- machined ultrasonic transducers	Sharma R., Agarwal R., Dubey A.K., Arora A.	International Journal of Engineering, Transactions B: Applications	2018	36	1 Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Fly-Ash Incorporated Slurry and Fixed-Bed Approach for Heterogeneous Solar Photo-Fenton Degradation of Isoproturon	Verma A., Kaur G., Bansal P., Gupta S., Kumar Sangal V.	Environmental Progress and Sustainable Energy	2018	36	2 School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Photocatalytic and antibacterial potential of silver nanoparticles derived from pineapple waste: process optimization and modeling kinetics for dye removal	Agnihotri S., Sillu D., Sharma G., Arya R.K.	Applied Nanoscience (Switzerland)	2018	36	7 Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Correction: Active noise control using modified FsLMS and hybrid PSOFF algorithm [Appl. Sci., 8, (2018), (686)]doi 10.3390/app8050686	Walia R., Ghosh S.	Applied Sciences (Switzerland)	2018	36	0 Computer Science and Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
A novel handwriting grading system using Gurmukhi characters	Kumar M., Jindal M., Sharma R.	International Arab Journal of Information Technology	2018	36	0 Electronics and Communication Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of High Power ICRH System Division, Institute for Plasma Research, Gandhinagar, Gujarat, India	Web of Science
Role of particle size in assessment of physico-chemical properties and trace elements of Indian fly ash	Kumar S., Singh J., Mohapatra S.K.	Waste Management and Research	2018	36	1 Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Recognition of online unconstrained handwritten Gurmukhi characters based on Finite State Automata	Singh H., Sharma R.K., Singh V.P.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	1 Thapar Institute of Engineering and Technology, Patiala, India; ECE Department, Chandigarh University, Mohali, India	Web of Science

Friction stir welding of nuclear grade SA508Gr.3Cl.1 and SS304LN dissimilar steels	Singh R.K.R., Rathod D.W., Pandey S.	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2018	36	0	Thapar Institute of Engg. & Technology (Deemed University), Patiala, Punjab, India; Punjabi University, Patiala, Punjab, India	Web of Science
Modeling, Optimization and Kinetic Study for Photocatalytic Treatment of Ornidazole Using Slurry and Fixed-Bed Approach	Talwar S., Sangal V.K., Verma A., Kaur P., Garg A.	Arabian Journal for Science and Engineering	2018	36	2	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Mathematics and Statistics, Central University of Punjab, Bathinda, Punjab 151001, India	Web of Science
Buoyancy-driven convective heat transfer from a semi-circular cylinder for various confinements	Gupta R.K., Chandra A., Gupta R.K.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	1	Department of Vehicle Engineering, National Taipei University of Technology, Taipei, 10608, Taiwan; Department of Mechanical Engineering, Thapar University, Patiala, 147001, India	Web of Science
Transition metals (Mn, Ni, Co) doping in TiO ₂ nanoparticles and their effect on degradation of diethyl phthalate	Kaur R., Singla P., Singh K.	International Journal of Environmental Science and Technology	2018	36	1	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India; Department of Physics, GSSDGS Khalsa College, Punjab, Patiala, 147001, India	Web of Science
Secondary structure prediction of ITS rRNA region and molecular phylogeny: an integrated approach for the precise speciation of Muscodor species	Kapoor N., Gambhir L., Saxena S.	Annals of Microbiology	2018	36	0	School of Energy and Environment, Thapar University, Patiala, Punjab, India; Department of Microbiology, Mata Gujri College Fatehgarh Sahib-140406Punjab, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
A Bézier extraction based XIGA approach for three-dimensional crack simulations	Singh S.K., Singh I.V., Bhardwaj G., Mishra B.K.	Advances in Engineering Software	2018	36	10	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, India	Web of Science
Modeling of RNA secondary structures using two-way quantum finite automata	Bhatia A.S., Kumar A.	Chaos, Solitons and Fractals	2018	36	3	Department of Physics, Punjabi University, Patiala, Punjab, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Web of Science
Decomposition of antibiotic ornidazole by gamma irradiation in aqueous solution: kinetics and its removal mechanism	Changotra R., Guin J.P., Dhir A., Varshney L.	Environmental Science and Pollution Research	2018	36	2	Department of Mechanical and Industrial Engineering, Indian Institute of Technology RoorkeeUttarakhand 247667, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147001, India	Web of Science
Macromolecular crowding-induced molten globule states of the alkali pH-denatured proteins	Kumar R., Kumar R., Sharma D., Garg M., Kumar V., Agarwal M.C.	Biochimica et Biophysica Acta - Proteins and Proteomics	2018	36	2	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, -147004, India; Radiation Technology Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, -400085, India	Web of Science
Fog computing for Healthcare 4.0 environment: Opportunities and challenges	Kumari A., Tanwar S., Tyagi S., Kumar N.	Computers and Electrical Engineering	2018	36	57	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Chemical Engineering, C.V. Raman College of Engineering, Bhubaneswar, Odisha 752054, India	Web of Science

Fusion-based image de-fogging using dual tree complex wavelet transform	Kansal I., Kasana S.S.	International Journal of Wavelets, Multiresolution and Information Processing	2018	36	1	School of Chemistry & Biochemistry, Thapar Institute of Engineering & Technology, Patiala, India; Department of Chemistry, Faculty of Basic and Applied Sciences, Sri Guru Granth Sahib World University, Fatehgarh Sahib, India	Web of Science
Influence of copper oxide nanoparticles on the thermophysical properties and performance of flat tube of vehicle cooling system	Singh Sokhal G., Gangacharyulu D., Bulasara V.K.	Vacuum	2018	36	3	Smt. Chandaben Mohanbhai Patel Institute of Computer Applications, CHARUSAT Campus, Changa, Anand, Gujarat 388421, India; Department of Computer Science & Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Molecular insights into the effect L17A/F19A double mutation on the structure and dynamics of A β : A molecular dynamics simulation study	Saini R.K., Shuaib S., Goyal D., Goyal B.	Journal of Cellular Biochemistry	2018	36	3	School of Information Science and Engineering, Shaoguan University, Shaoguan, China; School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Uncertainty representation using fuzzy-entropy approach: Special application in remotely sensed high-resolution satellite images (RSHRSIs)	Singh P., Dhiman G.	Applied Soft Computing Journal	2018	36	22	Thapar Institute of Engineering & Technology, Patiala, India; Manipal Hospital, Bangalore, India	Web of Science
On Development and Dry Sliding Wear Behavior of Microwave Processed Ni/Al ₂ O ₃ Composite Clad	Singh B., Kaushal S., Gupta D., Bhowmick H.	Journal of Tribology	2018	36	3	Department of Mechanical Engineering, YMCA University of Science and Technology, India; Department of Mechanical Engineering, Thapar University, India	Web of Science
Exponential operation and aggregation operator for q-rung orthopair fuzzy set and their decision-making method with a new score function	Peng X., Dai J., Garg H.	International Journal of Intelligent Systems	2018	36	75	Thapar Institute of Engineering and Technology, Department of Chemical Engineering, Patiala Punjab, 147004, India; Terminal Ballistics Research Laboratory, Sector 30, Chandigarh, India	Web of Science
Preliminary Study of Chronic Liver Classification on Ultrasound Images Using an Ensemble Model	Bharti P., Mittal D., Ananthasivan R.	Ultrasonic Imaging	2018	36	6	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147001, India; Department of Computer Science and Engineering, Bennett University, Noida, 201310, India	Web of Science
Design and development of patch compensated wideband Vivaldi antenna	Yadav R.P., Kumar V., Dhawan R.	International Journal of Microwave and Wireless Technologies	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, P. O. Box 147004, Patiala, Punjab, India; Mechanical Engineering Department, National Institute of Technology, Jamshedpur, Jharkhand, India; Mechanical Engineering Department, Chandigarh University, Gharuan, Punjab, India	Web of Science

Dry sliding wear behaviour of AA6082-T6/SiC/B ₄ C hybrid metal matrix composites using response surface methodology	Singh G., Goyal S.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	7	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Mathematics Sciences, Cameron University, Lawton, OK 73505, United States; Department of Mathematics, King Abdulaziz University, P.O. Box 80203, Jeddah, 21589, Saudi Arabia	Web of Science
Tribological behaviour of hybrid AMMC sliding against steel and cast iron under MWCNT-Oil lubrication	Singh H., Bhowmick H.	Tribology International	2018	36	5	Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Civil Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of ECE, Thapar Institute of Engineering and Technology, Deemed University, Patiala (Pb.), India	Web of Science
Steady shear and dynamic strain thickening of halloysite nanotubes and fumed silica shear thickening composite	Passey P., Singh M., Verma S.K., Bhattacharya D., Mehta R.	Journal of Polymer Engineering	2018	36	0	Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of ECE, Thapar Institute of Engineering Technology, Deemed University, Patiala (Pb.), India	Web of Science
Characterization of chipping and tool wear during drilling of float glass using rotary ultrasonic machining	Sharma A., Jain V., Gupta D.	Measurement: Journal of the International Measurement Confederation	2018	36	8	Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida, India; Amity School of Engineering and Technology, New Delhi, India; Thapar University, Patiala, Punjab, India	Web of Science
Emperor penguin optimizer: A bio-inspired algorithm for engineering problems	Dhiman G., Kumar V.	Knowledge-Based Systems	2018	36	75	Department of Computational Sciences, Maharaja Ranjit Singh Punjab Technical University, India; Department of Computer Science and Applications, Panjab University Regional Centre, India; Department of Computer Science and Engineering, Thapar University, India	Web of Science
Tunable Curie temperature of Mn _{0.6} Zn _{0.4} F ₂ O ₄ nanoparticles	Kaur N., Chudasama B.	Journal of Magnetism and Magnetic Materials	2018	36	1	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Microbiology, Uttaranchal (P.G) College of Biomedical Sciences and Hospital, Dehradun, Uttarakhand 248001, India; Department of Biotechnology, Shri Guru Ram Rai University, Dehradun, Uttarakhand 248001, India	Web of Science
Guided dynamic particle swarm optimization for optimizing digital image watermarking in industry applications	Zheng Z., Saxena N., Mishra K.K., Sangaiah A.K.	Future Generation Computer Systems	2018	36	17	Department of Computer Science Engineering, Institute of Technology, Nirma University, Ahmedabad, India; Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, (Deemed to be University), Patiala, Punjab, India; Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, (Deemed to be University), Patiala, Punjab, India	Web of Science

Multimodal medical image fusion using non-subsampled shearlet transform and pulse coupled neural network incorporated with morphological gradient	Ramlal S.D., Sachdeva J., Ahuja C.K., Khandelwal N.	Signal, Image and Video Processing	2018	36	7	EIED, Thapar University, Patiala, India; Department of Radio-Diagnosis and Imaging, PGIMER, Chandigarh, India; Department of ETE, Eternal University, Baru Sahib, India	Web of Science
A Markov based image forgery detection approach by analyzing CFA artifacts	Singh A., Singh G., Singh K.	Multimedia Tools and Applications	2018	36	10	Thapar University, Department of Electrical and Instrumentation Engineering, Patiala, India; Academy of Scientific and Innovative Research (AcSIR), CSIR-CSIO, Mechanical Measurement Instrumentation Division, Chandigarh, India; Chitkara University Research Innovation Network (CURIN), Chitkara University, Department of Computer Science and Engineering, Punjab, India; CSIR-CSIO, Mechanical Measurement Instrumentation Division, Chandigarh, India	Web of Science
Linguistic single-valued neutrosophic prioritized aggregation operators and their applications to multiple-attribute group decision-making	Garg H., Nancy	Journal of Ambient Intelligence and Humanized Computing	2018	36	53	Department of Electrical Engineering, IIT BHU, Varanasi, U.P., India; Department of Electrical Electronics Engineering, Maharaja Agrasen University, Baddi, H.P., India; Department of Electrical Instrumentation Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Analysis of students' ratings of teaching quality to understand the role of gender and socio-economic diversity in higher education	Gupta A., Garg D., Kumar P.	IEEE Transactions on Education	2018	36	2	Centre for Chemical Sciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, 151001, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Council of Scientific and Industrial Research, Institute of Microbial Technology, Sector 39A, Chandigarh, India; Centre for Plant Sciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, 151001, India	Web of Science
NHAD: Neuro-Fuzzy Based Horizontal Anomaly Detection in Online Social Networks	Sharma V., Kumar R., Cheng W.-H., Atiquzzaman M., Srinivasan K., Zomaya A.Y.	IEEE Transactions on Knowledge and Data Engineering	2018	36	8	School of Computer Sci. and Tech., Huazhong University of Sci. and Tech., Wuhan, 430074, China; CSED, Thapar University, Punjab, 147004, India; CSED, MNIT AllahabadUttar Pradesh 211004, India; School of Computing Science and Engineering, VIT University, Vellore, Tamil Nadu 632014, India	Web of Science
Consumption-aware data analytical demand response scheme for peak load reduction in smart grid	Jindal A., Singh M., Kumar N.	IEEE Transactions on Industrial Electronics	2018	36	25	Thapar Institute of Engineering and Technology, India; Lancaster University, United Kingdom; Chandigarh University, India; University of Jordan, Jordan; Soonchunhyang University, China	Web of Science

A Heuristic-Based Smart HVAC Energy Management Scheme for University Buildings	Jindal A., Kumar N., Rodrigues J.J.P.C.	IEEE Transactions on Industrial Informatics	2018	36	9	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India; National Institute of Telecommunications (Inatel), Santa-Rita-do-Sapuca, 37540-000, Brazil; Instituto de Telecomunicações, Lisboa, 1049-001, Portugal; ITMO University, Saint-Petersburg, 197101, Russian Federation; University of Fortaleza (UNIFOR), Fortaleza, 0811-905, Brazil	Web of Science
A sustainable multi-parametric sensors network topology for river water quality monitoring	Jindal H., Saxena S., Kasana S.S.	Wireless Networks	2018	36	4	Department of Information Security Engineering, Soonchunhyang University, Asan-si, 31538, South Korea; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India; Research Center for Information Technology Innovation (CITI), Academia Sinica, Taipei, 11529, Taiwan; School of Computer Science, University of Oklahoma, Norman, OK 73019, United States; Department of Computer Science and Information Engineering, National Ilan University, Yilan County, 26047, Taiwan; School of Information Technologies, Building J12, University of Sydney, Sydney, NSW 2006, Australia	Web of Science
Google LOON: Balloon-powered internet for everyone	Kaur S., Randhawa S.	AIP Conference Proceedings	2018	36	2	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
A quantum method for dynamic nonlinear programming technique using Schrödinger equation and Monte Carlo approach	Kaur A., Kaur S., Dhiman G.	Modern Physics Letters B	2018	36	14	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Punjab Patiala, 147004, India; Department of Computer Science and Engineering, Dr BR Ambedkar National Institute of Technology, Punjab Jalandhar, 144011, India	Web of Science
Power Translations for Deterrence or Stimulation of Wheelie/Wheel-stand for a Straight Moving Vehicle	Singh G.	MATEC Web of Conferences	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, India	Web of Science
Ethical, legal, and social implications of biometric technologies	Tanwar S., Tyagi S., Kumar N., Obaidat M.S.	Biometric-Based Physical and Cybersecurity Systems	2018	36	3	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Online signature-based biometric recognition	Tanwar S., Obaidat M.S., Tyagi S., Kumar N.	Biometric-Based Physical and Cybersecurity Systems	2018	36	4	Department of Computational Sciences, Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India; Department of Computer Science and Applications, Panjab University Regional Centre, Muksar, Punjab, India; Department of Computer Science Engineering, Thapar University Patiala, Punjab, India; Computer Science Engineering, Section Yadavindra College of Engineering, Talwandi Sabo, Bathinda Punjab, India	Web of Science

Performance Comparison of Several Feature Selection Techniques for Offline Handwritten Character Recognition	Kumar M., Jindal M.K., Sharma R.K., Ranijindal S.	Proceedings of the 2018 3rd IEEE International Conference on Research in Intelligent and Computing in Engineering, RICE 2018	2018	36	1	Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology Deemed to be University, Patiala, Punjab, India; Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology Deemed to be University, Patiala, Punjab, India; ECE Department, Nazarbayev University, Astana, Kazakhstan; King Abdullah II School of Information Technology (KASIT), University of Jordan, Amman, Jordan; University of Science and Technology Beijing (USTB), Beijing, China; Fordham University, New York City, NY, United States	Web of Science
Minimum preserving subsampling-based fast image de-fogging	Kansal I., Kasana S.S.	Journal of Modern Optics	2018	36	2	Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; ECE Department, Nazarbayev University, Astana, Kazakhstan; King Abdullah II School of Information Technology (KASIT), University of Jordan, Amman, Jordan; University of Science and Technology Beijing (USTB), Beijing, China; Fordham University, New York City, NY, United States; Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology Deemed to be University, Patiala, Punjab, India; Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology Deemed to be University, Patiala, Punjab, India	Web of Science
Origin of Prestress-Driven Optical Modulations of Flexible ZnO Thin Films Processed in Stretching Mode	Choi H.J., Jang W., Mohanty B.C., Jung Y.S., Soon A., Cho Y.S.	Journal of Physical Chemistry Letters	2018	36	3	Department of Materials Science and Engineering, Yonsei University, Seoul, 03722, South Korea; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Prioritized linguistic interval-valued aggregation operators and their applications in group decision-making problems	Kumar K., Garg H.	Mathematics	2018	36	7	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
Blog Response Volume Prediction Using Adaptive Neuro Fuzzy Inference System	Kaur H., Pannu H.S.	2018 9th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2018	2018	36	3	Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Global Land Temperature Prediction by Machine Learning Combo Approach	Himika, Kaur S., Randhawa S.	2018 9th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2018	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

Ensemble Classifier to Enhance Computer Aided Diagnosis of Parkinson Disease	Kaur H., Malhi A.K.	2018 9th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2018	2018	36	0	Computer Science Engineering Department, Thapar Institute of Engineering Technology, Patiala, India	Web of Science
A facile means for the improvement of sensing properties of metal-organic frameworks through control on the key synthesis variables	Kukkar P., Kukkar D., Sammi H., Singh K., Rawat M., Singh P., Basu S., Kim K.-H.	Sensors and Actuators, B: Chemical	2018	36	7	Department of Chemistry, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; Department of Nanotechnology, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; Department of Civil & Environmental Engineering, Hanyang University, 222 Wangsimni-Ro, Seoul, 04763, South Korea; School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Web of Science
MEMS-based microheaters integrated gas sensors	Singh A., Sharma A., Dhull N., Arora A., Tomar M., Gupta V.	Integrated Ferroelectrics	2018	36	1	Department of Physics and Astrophysics, University of Delhi, Delhi, India; Department of Physics, Atma Ram Sanatan Dharma College, University of Delhi, Delhi, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, India; Department of Physics, Miranda House, University of Delhi, Delhi, India	Web of Science
BER analysis of SFBC-OFDM system with different detection schemes over fading channels	Singh D., Joshi H.D.	Proceedings of the International Symposium on Wireless Communication Systems	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Impact of intermittent wind and solar resources on the dynamics of power system under different loading conditions	Jood P., Aggarwal S.K., Chopra V.	2017 14th IEEE India Council International Conference, INDICON 2017	2018	36	0	EIED, Thapar University, Patiala, India	Web of Science
EVaaS: Electric vehicle-as-a-service for energy trading in SDN-enabled smart transportation system	Aujla G.S., Jindal A., Kumar N.	Computer Networks	2018	36	6	Computer Science & Engineering Department, Thapar Institute of Engineering and Technology, Patiala, and also with Chandigarh University, Mohali, India; Computer Science & Engineering Department, Thapar Institute of Engineering and Technology (Deemed to be University), Patiala, India	Web of Science
Experimental investigations on natural fiber embedded additive manufacturing-based biodegradable structures for biomedical applications	Mangat A.S., Singh S., Gupta M., Sharma R.	Rapid Prototyping Journal	2018	36	12	GNDEC, Ludhiana, Ludhiana, India; School of Mechanical Engineering, Lovely Professional University, Phagwara, India; National Institute of Technology Hamirpur, Hamirpur, India; Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Sharing two true colour images using (3, 3)-extended visual cryptography technique	Dhiman K., Kasana S.S.	Journal of Modern Optics	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science

Alternative Metrics for Assessing Research Impact PlumX Tool to Showcase Academic Profile of Himachal Pradesh University	Ram S., Shalini	IEEE 5th International Symposium on Emerging Trends and Technologies in Libraries and Information Services, ETTLLS 2018	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Carbon quantum dots/TiO ₂ nanocomposite for sensing of toxic metals and photodetoxification of dyes with kill waste by waste concept	Mehta A., Mishra A., Kainth S., Basu S.	Materials and Design	2018	36	6	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Effect of g-C ₃ N ₄ loading on TiO ₂ /Bentonite nanocomposites for efficient heterogeneous photocatalytic degradation of industrial dye under visible light	Mishra A., Mehta A., Kainth S., Basu S.	Journal of Alloys and Compounds	2018	36	17	Central Library, Thapar University, Patiala, 147004, India; MLIS Studen., IGNOU Study Center, Shimla, 171001, India	Web of Science
Remote sensing image fusion using fuzzy logic and gyrator transform	Singh D., Kaur M., Singh H.	Remote Sensing Letters	2018	36	6	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Study the parametric effect of abrasive water jet machining on surface roughness of Inconel 718 using RSM-BBD techniques	Kumar A., Singh H., Kumar V.	Materials and Manufacturing Processes	2018	36	9	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology Punjab, India; Computer Science and Engineering Department, Guru Nanak Dev University, Amritsar, Punjab, India	Web of Science
Analysis of particles in magnetorheological polishing fluid for finishing of ferromagnetic cylindrical workpiece	Grover V., Singh A.K.	Particulate Science and Technology	2018	36	7	Department of Mechanical Engineering, C.E.C. Landran, Mohali, Punjab, India; Department of Mechanical Engineering, N.I.T. Kurukshetra, Kurukshetra, Haryana, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Optimal power dispatch solution through multi objective formulation	Dhillon J., Kumar P., Jain S.K.	Proceedings - 2nd International Conference on Intelligent Circuits and Systems, ICICS 2018	2018	36	0	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Transmission analysis of 112 Gbps dual polarization QPSK/16QAM using coherent receiver with digital signal processing	Mehandiratta G., Kaler R.S., Kaur G.	Proceedings - 2nd International Conference on Intelligent Circuits and Systems, ICICS 2018	2018	36	0	Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab, India; Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Web of Science
PSO based Multiobjective Optimization for parameter adaptation in CR based IoTs.	Kaur A., Kaur A., Sharma S.	International Conference on "Computational Intelligence and Communication Technology", CICT 2018	2018	36	3	School of Electronics and Electrical Engineering, Lovely Professional University, Jalandhar, 144411, India; Thapar University, Patiala, Punjab, 147004, India	Web of Science

Degradation of polypropylene–poly-L-lactide blend by bacteria isolated from compost	Jain K., Bhunia H., Sudhakara Reddy M.	Bioremediation Journal	2018	36	1	SCSE, Lovely Professional University, Jalandhar, Punjab, India; Department of Electronics and Communication, Thapar University, Patiala, Punjab, 147004, India	Web of Science
An overview of solid base heterogeneous catalysts for biodiesel production	Marwaha A., Dhir A., Mahla S.K., Mohapatra S.K.	Catalysis Reviews - Science and Engineering	2018	36	8	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, India; School of Energy and Environment, Thapar Institute of Engineering & Technology, Patiala, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University, Hoshiarpur, India	Web of Science
Providing security and privacy to huge and vulnerable songs repository using visual cryptography	Shivani S., Tiwari S., Mishra K.K., Zheng Z., Sangaiah A.K.	Multimedia Tools and Applications	2018	36	3	Thapar University, Patiala, India; University of Missouri, Columbia, MO 65211, United States; Huazhong University of Science and Technology, Wuhan, China; VIT University, Vellore, India	Web of Science
Wavelet and KICA based ECG Beat Classification for Cardiac Health Care	Rajpal N., Singh R., Mehta R.	2018 4th International Conference for Convergence in Technology, I2CT 2018	2018	36	0	Computer Science Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Study of real time face recognition using few shot recognition techniques	Singh P., Srivastava S., Rai A., Cheema A.S.	Proceedings of the 3rd International Conference on Contemporary Computing and Informatics, IC3I 2018	2018	36	0	School of Humanities & Social Sciences, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; School of Humanities and Social Sciences, Alumni Relations Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Thapar Science and Technology Park and Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Characterization study of a grid connected DFIG based WECS under variable wind speed and loading conditions	Roy A.K., Basak P., Biswal G.R.	2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2018	2018	36	0	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Load frequency control of two area interconnected power system using sssc with PID, fuzzy and neural network based controllers	Lone A.H., Yousuf V., Prakash S., Bazaz M.A.	2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2018	2018	36	0	School of Energy and Environment, Thapar University, Patiala, Punjab, India	Web of Science
Meta-heuristic based Optimized Deep Neural Network for Streaming Data Prediction	Kumar P., Batra S.	Proceedings - IEEE 2018 International Conference on Advances in Computing, Communication Control and Networking, ICACCCN 2018	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Punjab, 147003, India	Web of Science
A game of incentives: An efficient demand response mechanism using fleet of electric vehicles	Kaur K., Kumar N., Garg S., Zomaya A.Y.	Proceedings of the Annual International Conference on Mobile Computing and Networking, MOBICOM	2018	36	3	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science

Critical success factors of agri-business incubators and their impact on business performance	Bose S.C., Kiran R., Goyal D.	Custos e Agronegocio	2018	36	0	Department of Computer Science, Thapar Institute of Engineering & Technology, Patiala, India	Web of Science
Performance evaluation of chaos based IDMA scheme using joint turbo equalization over frequency selective fading channel	Shukla A., Bansal A., Goyal V., Karanveer, Deolia V.K.	Journal of Telecommunication, Electronic and Computer Engineering	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; Chemical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
An efficient fully differential voltage comparator	Gupta A., Agarwal A.	Journal of Engineering Science and Technology	2018	36	0	Department of Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
Applications of sunlight responsive Fe-Ag-TiO ₂ composite incorporating in-situ dual effect for the degradation of pentoxifylline	Bansal P., Verma A.	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Punjab, Patiala, India	Web of Science
Various characteristics of transition energy for nearly symmetric colliding nuclei	Deepshikha, Kumar S.	International Journal of Modern Physics E	2018	36	2	Computer Science and Engineering Department, Thapar Institute of Engineering & Technology, Punjab, Patiala, India	Web of Science
Beta Chaotic Map Based Image Encryption Using Genetic Algorithm	Kaur M., Kumar V.	International Journal of Bifurcation and Chaos	2018	36	5	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat	Jaiswal S.K., Prakash R., Skalny A.V., Skalnaya M.G., Grabeklis A.R., Skalnaya A.A., Tinkov A.A., Zhang F., Guo X., Prakash N.T.	Journal of Food Biochemistry	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Clay supported TiO ₂ nanoparticles for photocatalytic degradation of environmental pollutants: A review	Mishra A., Mehta A., Basu S.	Journal of Environmental Chemical Engineering	2018	36	25	School of Physics & Materials Science, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Secure Healthcare Data Dissemination Using Vehicle Relay Networks	Singh P., Bali R.S., Kumar N., Das A.K., Vinel A., Yang L.T.	IEEE Internet of Things Journal	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Performance of low-cost country sourcing projects – Conceptual model & empirical analysis	Moser R., Narayanamurthy G., Kusaba K., Kaiser G.	International Journal of Production Economics	2018	36	3	Department of Chemical Engineering, Thapar Institute of Engineering & Technology (Deemed to be University), Patiala, Punjab 147004, India	Web of Science
Neurocomputing approach to matrix product state using quantum dynamics	Bhatia A.S., Kumar A.	Quantum Information Processing	2018	36	2	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Chemical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science

Addition of nanomer clays to GFRPs for enhanced impact strength and fracture toughness	Shelly D., Singh K., Nanda T., Mehta R.	Materials Research Express	2018	36	4	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Neural Network Ensemble and Jaya Algorithm Based Diagnosis of Brain Tumor Using MRI Images	Kaur K., Kaur Walia G., Kaur J.	Journal of The Institution of Engineers (India): Series B	2018	36	0	ECED, Thapar University, Patiala, India	Web of Science
Adaptive variable order polynomial based digital zoom of images	Bhushan V., Kumar V.	Multimedia Tools and Applications	2018	36	2	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
An integrated framework for identification of effective and synergistic anti-cancer drug combinations	Sharma A., Rani R.	Journal of Bioinformatics and Computational Biology	2018	36	5	Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
BE-DTI': Ensemble framework for drug target interaction prediction using dimensionality reduction and active learning	Sharma A., Rani R.	Computer Methods and Programs in Biomedicine	2018	36	6	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Parametric effect of vibrational drilling on osteonecrosis and comparative histopathology study with conventional drilling of cortical bone	Singh G., Jain V., Gupta D., Sharma A.	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	36	7	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Stockwell-common spatial pattern technique for motor imagery-based Brain Computer Interface design	Sethi S., Upadhyay R., Singh H.S.	Computers and Electrical Engineering	2018	36	5	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Hadoop-based analytic framework for cyber forensics	Chhabra G.S., Singh V., Singh M.	International Journal of Communication Systems	2018	36	2	School of Mathematics, Thapar Institute of Engineering & Technology, (Deemed University), Patiala, Punjab 147004, India	Web of Science
Hydrothermal synthesis of Eu ³⁺ -doped Gd ₂ O ₃ nanophosphors and its Judd-Ofelt analysis	Priya R., Pandey O.P.	Vacuum	2018	36	9	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Healthcare systems and corporate social responsibility communication:A comparative analysis between Malta and India	Tomaselli G., Garg L., Gupta V., Xuereb P.A., Buttigieg S.C., Vassallo P.	Journal of Global Information Management	2018	36	1	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology (Deemed University), Patiala, 147004, India	Web of Science
Comprehensive study of memory loss for mass symmetric colliding nuclei at intermediate energy	Deepshikha, Kumar S.	Nuclear Physics A	2018	36	3	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
E-marketing strategies for islamic banking: A case based study	Roumieh A., Garg L., Gupta V., Singh G.	Journal of Global Information Management	2018	36	2	Computer Science & Engineering Department, Thapar University, Patiala, (Punjab), India	Web of Science

Modular manipulators for cluttered environments: A task-based configuration design approach	Singh S., Singla A., Singla E.	Journal of Mechanisms and Robotics	2018	36	2 Department of ECE, Thapar University, Patiala, India	Web of Science
Enhancement in anti-tubercular activity of indole based thiosemicarbazones on complexation with copper(I) and silver(I) halides: Structure elucidation, evaluation and molecular modelling	Khan A., Jasinski J.P., Smolenski V.A., Hotchkiss E.P., Kelley P.T., Shalit Z.A., Kaur M., Paul K., Sharma R.	Bioorganic Chemistry	2018	36	USICT, Guru Gobind Singh Indraprastha University, Dwarka, New-Delhi, India; USICT, Guru Gobind Singh Indraprastha University, Research Scholar, Dwarka, New-Delhi, India; CSED, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Assessment of reaction intermediates of gamma radiation-induced degradation of ofloxacin in aqueous solution	Changotra R., Guin J.P., Varshney L., Dhir A.	Chemosphere	2018	36	Thapar Institute of Engineering and Technology, Patiala, India; Centre for Development of Advanced Computing, Noida, India	Web of Science
Dual Hesitant Fuzzy Soft Aggregation Operators and Their Application in Decision-Making	Garg H., Arora R.	Cognitive Computation	2018	36	Thapar Institute of Engineering and Technology, Patiala Electrical and Instrumentation Engineering, Punjab, India; Veer Surendra Sai University of Technology, Burla Department of Electrical Engineering and EEE, Odisha, India	Web of Science
Structural, electrical, magnetic and magnetoelectric properties of Co-doped BaTiO ₃ multiferroic ceramics	Rani A., Kolte J., Gopalan P.	Ceramics International	2018	36	Thapar Institute of Engineering and Technology, Electrical Engineering Department, Patiala, India; National Institute of Technology Srinagar, Electrical Engineering Department, Srinagar, India	Web of Science
Adsorption and thermodynamic studies of pure and binary CO ₂ and N ₂ gas components on nitrogen enriched nanostructured carbon adsorbents	Tiwari D., Bhunia H., Bajpai P.K.	Journal of Chemical Thermodynamics	2018	36	Thapar Institute of Engineering and Technology, Patiala, Punjab, India; School of Information Technologies, J12, University of SydneyNSW 2006, Australia	Web of Science
Use of Protein Kinase–Focused Compound Libraries for the Discovery of New Inositol Phosphate Kinase Inhibitors	Puhl-Rubio A.C., Stashko M.A., Wang H., Hardy P.B., Tyagi V., Li B., Wang X., Kireev D., Jessen H.J., Frye S.V., Shears S.B., Pearce K.H.	SLAS Discovery	2018	36	Department of Electronics and Communication, GLA University, Mathura, 281406, India; Department of Electrical and Instrumentation, Thapar University, Patiala, India	Web of Science
Detoxification of real pharmaceutical wastewater by integrating photocatalysis and photo-Fenton in fixed-mode	Bansal P., Verma A., Talwar S.	Chemical Engineering Journal	2018	36	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab 147004, India; Department of Physics, Central University of Haryana Jatt-Pali, Mahendergarh, Haryana, India	Web of Science

Spermine detection from urine and blood serum using ionic self-assembly of benzimidazolium based dipod and dodecylsulfate	Tripathi N., Singh P., Luxami V., Mahajan D., Kumar S.	Sensors and Actuators, B: Chemical	2018	36	6	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Electronics and Communication Engineering, Guru Nanak Dev Engineering College, Ludhiana, Punjab 141006, India	Web of Science
Efficient classification of the hyperspectral images using deep learning	Singh S., Kasana S.S.	Multimedia Tools and Applications	2018	36	4	Mechanical Engineering Department, Thapar Institute of Engineering & Technology (Deemed to be University), Patiala, India; Department of Pathology, Maharishi Markandeshwar Institute of Medical Sciences & Research (Deemed to be University), Mullana, Ambala, India	Web of Science
Image forensics using color illumination, block and key point based approach	Thakur A., Jindal N.	Multimedia Tools and Applications	2018	36	4	University of Malta, Msida, Malta; Thapar University, Punjab, India	Web of Science
Arcopilus aureus, a Resveratrol-Producing Endophyte from Vitis vinifera	Dwibedi V., Saxena S.	Applied Biochemistry and Biotechnology	2018	36	5	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, 400085, India	Web of Science
Novel correlation coefficients under the intuitionistic multiplicative environment and their applications to decision-making process	Garg H.	Journal of Industrial and Management Optimization	2018	36	13	Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Powai, Mumbai, 400076, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Dehazing of outdoor images using notch based integral guided filter	Singh D., Kumar V.	Multimedia Tools and Applications	2018	36	14	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University Gharuan, Mohali, Punjab 140413, India	Web of Science
A RGB image encryption technique using Lorenz and Rossler chaotic system on DNA sequences	Girdhar A., Kumar V.	Multimedia Tools and Applications	2018	36	18	University of Liverpool, Liverpool, United Kingdom; University of Malta, Msida, Malta; Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
High-Capacity Reversible Data Hiding Using Modified Pixel Value Ordering Approach	Jain N.K., Kasana S.S.	Journal of Circuits, Systems and Computers	2018	36	1	Clinical Affairs Department, Bio-Medical Engineering (HK) Ltd., Cyberport, Hong Kong; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Mechanical Engineering Department, Indian Institute of Technology Ropar, Rupnagar, 140001, India	Web of Science

Tensor-Based Big Data Management Scheme for Dimensionality Reduction Problem in Smart Grid Systems: SDN Perspective	Kaur D., Aujla G.S., Kumar N., Zomaya A.Y., Perera C., Ranjan R.	IEEE Transactions on Knowledge and Data Engineering	2018	36	22	Department of Chemistry, Lovely Professional University, Phagwara, Punjab, India; Department of Chemistry, Keene State College, 229 Main Street, Keene, NH 03435–2001, United States; School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Distance measures for connection number sets based on set pair analysis and its applications to decision-making process	Garg H., Kumar K.	Applied Intelligence	2018	36	35	Department of Chemistry, Centre of Advanced Studies, Guru Nanak Dev University, Amritsar, 143005, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Drug Discovery Research Center, Translational Health Sciences and Technology Institute, Faridabad, 121001, India	Web of Science
Fabrication of core–shell PLGA/PLA–pNIPAM nanocomposites for improved entrapment and release kinetics of antihypertensive drugs	Basu T., Pal B., Singh S.	Particuology	2018	36	5	Center for Integrative Chemical Biology and Drug Discovery, Chemical Biology and Medicinal Chemistry, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC, United States; Signal Transduction Laboratory, National Institute of Environmental Health Sciences, Research Triangle Park, NC, United States; Institute of Organic Chemistry, Albert-Ludwigs-University of Freiburg, Freiburg, Germany; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab, India	Web of Science
Quantitative Detection of Thiopurines by Inter-particle Distance-Dependent Properties of Gold Nanoparticles	Kainth S., Basu S.	Plasmonics	2018	36	0	Computer Science and Engineering Department, Chandigarh University, Mohali, 140 413, India; Computer Science and Engineering Department, Thapar University, Patiala, 147004, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; School of Information Technology, Halmstad University, Halmstad, 301 18, Sweden; Department of Computer Science, St. Francis Xavier University, Antigonish, NS B2G2W5, Canada	Web of Science
DFuzzy: a deep learning-based fuzzy clustering model for large graphs	Bhatia V., Rani R.	Knowledge and Information Systems	2018	36	8	Research Institute for International Management, University of St.Gallen (HSG), Dufourstrasse 40a, St.Gallen, CH-9000, Switzerland; Indian Institute of Management Udaipur, Rajasthan, 313001, India; University of Liverpool Management School, Chatham Street, Liverpool, United Kingdom; LM Thapar School of Management, Thapar University, Patiala, India; McKinsey Analytics, McKinsey & Company, Inc., Berlin, Germany; Department of Economic and Social Sciences, Nordhausen University of Applied Sciences, Weinberghof 4, Nordhausen, 99734, Germany	Web of Science

Fuzzified Cuckoo based Clustering Technique for Network Anomaly Detection	Garg S., Batra S.	Computers and Electrical Engineering	2018	36	12	School of Energy and Environment & School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Trace Element Institute (UNESCO), Yaroslavl State University, Sovetskaya St., 14, Yaroslavl, 150000, Russian Federation; Peoples' Friendship University of Russia (RUDN University), Miklukho-Maklaya St., 6, Moscow, 105064, Russian Federation; Department of Personalized Medicine, Orenburg State University, Pobedy Ave. 13, Orenburg, 460352, Russian Federation; Director, Trace Element Institute for UNESCO, Lyon, France; Department of Biological Chemistry, Orenburg State Medical University, Sovetskaya St. 6, Orenburg, 460000, Russian Federation; Key Laboratory of Trace Elements and Endemic Diseases of National Health and Family Planning Commission, School of Public Health, Health Science Center, Xi'an Jiaotong University, Xi'an, 710000, China	Web of Science
A novel bat flower pollination algorithm for synthesis of linear antenna arrays	Salgotra R., Singh U.	Neural Computing and Applications	2018	36	21	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Lovely Professional University, Phagwara, Punjab, 144411, India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Mohali, Punjab, 140413, India; School of Information Technologies, J12, University of SydneyNSW 2006, Australia; Open University, Milton Keynes, MK7 6AA, United Kingdom; Chinese University of Geoscience, Wuhan, China; Newcastle University, Newcastle upon Tyne, NE1 7RU, United Kingdom	Web of Science
Improved Cuckoo Search with Better Search Capabilities for Solving CEC2017 Benchmark Problems	Salgotra R., Singh U., Saha S.	2018 IEEE Congress on Evolutionary Computation, CEC 2018 - Proceedings	2018	36	5	Dept. of Electronics and Communication, Thapar University, Patiala, India; Dept. of Computer Science, Indian Institute of Technology, Patna, India	Web of Science
A Review: Cryptography and Steganography Algorithm for Cloud Computing	Singla S., Bala A.	Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018	2018	36	1	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology (Deemed to Be University), Patiala, India	Web of Science
A Streamlined Approach for Real-Time Data Analytics	Arora S., Rani R.	Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018	2018	36	0	Department of Computer Sc. and Engg., Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

A novel characterization method of fiber reinforced polymers with clustered microstructures for time dependent mass transfer	Jain D., Mukherjee A., Bera T.K.	IEEE Journal of Selected Topics in Quantum Electronics	2018	36	0	Department of Chemical Engineering, Thapar Institute of Engineering & Technology (Deemed to be University), Patiala, Punjab 147004, India	Web of Science
CO ₂ adsorption on oxygen enriched nanostructured carbons derived from silica templated resorcinol-formaldehyde	Tiwari D., Kaur S., Bhunia H., Bajpai P.K.	Journal of Industrial and Engineering Chemistry	2018	36	4	Mechanical Engineering Department, Thapar University, Patiala, 147004, India; Department of Civil Engineering, Curtin University, Bentley, WA 6102, Australia	Web of Science
Quantitative Detection of Morphological Alterations in Red Blood Cell during Storage Using PS-FF-OCT System	Singla N., Dubey K., Srivastava V., Mehta D.S.	WRAP 2017 - Workshop on Recent Advances in Photonics	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
In-Vivo Quantitative Assessment of Wounds Healing Using Optical Coherence Tomography	Dubey K., Singla N., Srivastava V., Mehta D.S.	WRAP 2017 - Workshop on Recent Advances in Photonics	2018	36	0	Thapar University, Patiala Punjab, India; Indian Institute of Technology, New Delhi, India	Web of Science
ID-PAPC: Identity based Public Auditing Protocol for Cloud Computing	Garg N., Bawa S.	WIECON-ECE 2017 - IEEE International WIE Conference on Electrical and Computer Engineering 2017	2018	36	1	Thapar University, Patiala Punjab, India; Indian Institute of Technology, New Delhi, India	Web of Science
Optimization of biodiesel production from grape seed oil using Taguchi's orthogonal array	Singh G., Mohapatra S.K., S. Ragit S., Kundu K.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	36	3	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Biofuel, CSIR CMERI CoFEM, Ludhiana, India	Web of Science
Factors defining the effects of macromolecular crowding on dynamics and thermodynamic stability of heme proteins in-vitro	Kumar R., Sharma D., Kumar V., Kumar R.	Archives of Biochemistry and Biophysics	2018	36	0	Functional Materials Lab, School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Influence of graphitic/amorphous coated carbon on HER activity of low temperature synthesized B-Mo ₂ C@C nanocomposites	Mir R.A., Pandey O.P.	Chemical Engineering Journal	2018	36	33	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
A computational study of liquid–solid interfacial free energy (γ) for SW-Ge potential model	Gautam A.K., Chandra A.	Physica A: Statistical Mechanics and its Applications	2018	36	1	Chemical Engineering Department, School of Chemical Engineering and Physical Sciences, Lovely Professional University, Jalandha, Punjab 144411, India; Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Punjab, 147004, India	Web of Science

Ap-FSM: A parallel algorithm for approximate frequent subgraph mining using Pregel	Bhatia V., Rani R.	Expert Systems with Applications	2018	36	4	Department of Chemical Sciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, 151001, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Council of Scientific and Industrial Research, Institute of Microbial Technology, Sector 39A, Chandigarh, India; Department of Plant Sciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, 151001, India	Web of Science
Symmetric triangular interval type-2 intuitionistic fuzzy sets with their applications in multi criteria decision making	Singh S., Garg H.	Symmetry	2018	36	23	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, 147004, India	Web of Science
Design and simulation of 8-cavity hole-slot type magnetron in CST	Khatoon S., Yadav R.P., Jain A.	2018 2nd International Conference on Electronics, Materials Engineering and Nano-Technology, IEMENTech 2018	2018	36	0	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
History of ZIKV infections in India and management of disease outbreaks	Khaiboullina S., Uppal T., Martynova E., Rizvanov A., Baranwal M., Verma S.C.	Frontiers in Microbiology	2018	36	6	Department of Microbiology and Immunology, Reno School of Medicine, University of Nevada, Reno, NV, United States; Department of Exploratory Research, Scientific and Educational Center of Pharmaceutics, Kazan Federal University, Kazan, Russian Federation; Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Economic and environmental evaluation of municipal solid waste management system using industrial ecology approach: Evidence from India	Singh A., Basak P.	Journal of Cleaner Production	2018	36	12	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
A survey of prediction-based resource scheduling techniques for physics-based scientific applications	Kaur G., Bala A.	Modern Physics Letters B	2018	36	4	Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India	Web of Science
A four-way decision-making system for the Indian summer monsoon rainfall	Singh P., Rabadiya K., Dhiman G.	Modern Physics Letters B	2018	36	13	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Punjab, Patiala, India	Web of Science
Fourth-order partial differential equations based anisotropic diffusion model for low-dose CT images	Pathak Y., Arya K.V., Tiwari S.	Modern Physics Letters B	2018	36	12	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
An optimal data aggregation technique for physics-based applications	Joshi U., Sharma R.	Modern Physics Letters B	2018	36	2	SMT. Chandaben Mohanbhai Patel Institute of Computer Applications, Charusat Campus, Changa, Anand, Gujarat, 388421, India; Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science

Pilot-scale single-step reactor combining photocatalysis and photo-Fenton aiming at faster removal of Cephalexin	Bansal P., Verma A.	Journal of Cleaner Production	2018	36	Multimedia and Information Security Research Group, ABV-Indian Institute of Information Technology and Management, Gwalior, 474015, India; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Dispersion-managed soliton fiber laser with random dispersion, multiphoton absorption and gain dispersion	Parmar G.S., Pradhan R., Malomed B.A., Jana S.	Journal of Optics (United Kingdom)	2018	36	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, India; Department of Physics, Midnapore College, Midnapore, India; Department of Physical Electronics, School of Electrical Engineering, Faculty of Engineering, Tel Aviv University, PO Box 39040, Tel Aviv, Israel; Center for Light-Matter Interaction, Tel Aviv University, PO Box 39040, Tel Aviv, Israel	Web of Science
An energy efficient load balanced cluster-based routing using ant colony optimization for WSN	Guleria K., Verma A.K.	International Journal of Pervasive Computing and Communications	2018	36	4 Thapar University, Patiala, Punjab, India	Web of Science
Nodal integral method for convection-diffusion transport using linear and higher order quadrilateral elements	Sharma R.P., Kumar N.	Numerical Heat Transfer, Part B: Fundamentals	2018	36	0 Electronics & Communication Engineering Department, Thapar University, Patiala, India	Web of Science
Enantioselective total syntheses of (-)-clavaminol A and deacetyl (+)-clavaminol H	Pandey R., Gehlawat A., Prakash R., Kumar Pandey S.	Synthetic Communications	2018	36	1 Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Energy Science & Engineering, IIT Bombay, Mumbai, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Channel estimation and long-range prediction of fast fading channels for adaptive OFDM system	Kapoor D.S., Kohli A.K.	International Journal of Electronics	2018	36	5 School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, India; Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India	Web of Science
Determination of Required Reinforcement Force in Geosynthetic Reinforced Soil Walls Under Seismic Loadings	Ganesh R., Chandaluri V.K.	International Journal of Geosynthetics and Ground Engineering	2018	36	0 Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Hybridizing J48 and SVM for predicting sale and purchase of property	Kaur G., Kaur H.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	0 ECED, TIET, Patiala, India	Web of Science
PSO optimized nested slot structure RFID tag antenna at 5.8 GHz for metallic applications	Bansal A., Sethi G., Sharma S.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	0 Electronics and Communication Engineering, Department Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

Multiplicative filter design using S-transform	Ranjan R., Jindal N., Singh A.K.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Non-dominated sorting genetic algorithm - III based meta decision tree	Kaur G., Kaur H.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	0	Electronics and Communiactions, Thapar Institute of engg. and technology, Patiala, India	Web of Science
Novel staircase microstrip antenna with L-Shape slotted dgs for WLAN and WiMAX application	Singh J., Kaur J., Kaur N.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Factual dimension identification and usage for real estate framework	Kaur G., Kaur H.	Proceedings - 2nd International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2018	2018	36	0	Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Web of Science
Transformation products and degradation pathway of textile industry wastewater pollutants in Electro-Fenton process	Kaur P., Kushwaha J.P., Sangal V.K.	Chemosphere	2018	36	10	Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India	Web of Science
Endophytic fungi: A source of potential antifungal compounds	Deshmukh S.K., Gupta M.K., Prakash V., Saxena S.	Journal of Fungi	2018	36	8	School of Mathematics and Computer Applications, Thapar University, Patiala, Punjab, 147001, India	Web of Science
Mangrove-associated fungi: A novel source of potential anticancer compounds	Deshmukh S.K., Gupta M.K., Prakash V., Sudhakara Reddy M.	Journal of Fungi	2018	36	3	School of Physics and Materials Science, TIET, Patiala, Punjab 147004, India	Web of Science
Equal: energy and QoS aware resource allocation approach for CloudS	Kumar A., Kumar R., Sharma A.	Computing and Informatics	2018	36		Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
On generalized q-series and split (n + t)-color partitions	Rana M., Sareen J.K., Chawla D.	Utilitas Mathematica	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Thapar Institute of Engineering and Technology (Deemed University) (Earlier-Thapar University), Patiala, 147004, India	Web of Science
Characterization of chronic liver disease based on ultrasound images using the variants of grey-level difference matrix	Bharti P., Mittal D., Ananthasivan R.	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	36	0	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147003, India	Web of Science

Masses and strong decay properties of radially excited bottom states B(2S) and B(2P) with their strange partners B \rightarrow s \rightarrow (2S) and B \rightarrow s \rightarrow (2P)	Gupta P., Upadhyay A.	European Physical Journal A	2018	36	1	Thapar University, India	Web of Science
Antioxidant and Immune Effects of Water Soluble Polysaccharides Isolated from Cinnamomum verum Bark	Goyal M., Kaur H., Bhandari M., Rizvanov A.A., Khaiboullina S.F., Baranwal M.	BioNanoScience	2018	36	0	School of Physics and Material Science, Thapar University, Patiala, 147004, India	Web of Science
Enhanced acetone detection using Au doped ZnO thin film sensor	Deshwal M., Arora A.	Journal of Materials Science: Materials in Electronics	2018	36	10	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Simulating Fraunhofer diffraction of waves using microsoft excel spreadsheet	Singh I., Khun Khun K., Kaur B.	Physics Education	2018	36	3	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Obstacle Avoidance of Bicycle Vehicle Model using Overwhelming Controller	Singh R., Bera T.K.	Arabian Journal for Science and Engineering	2018	36	1	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Secure Biometric-Based Authentication Scheme Using Chebyshev Chaotic Map for Multi-Server Environment	Chatterjee S., Roy S., Das A.K., Chattopadhyay S., Kumar N., Vasilakos A.V.	IEEE Transactions on Dependable and Secure Computing	2018	36	62	School of Mathematics, Thapar Institute of Engineering & Technology, Deemed University, Patiala, 147004, India	Web of Science
An Improved Tent Map-Adaptive Chaotic Particle Swarm Optimization (ITM-CPSO)-Based Novel Approach Toward Security Constraint Optimal Congestion Management	Batra I., Ghosh S.	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	2018	36	2	Department of Electronics and Communication Engineering, Thapar Institute of Engineering & Technology (TIET, Deemed University), Patiala, Punjab 147004, India	Web of Science
Isolation of multi-metal tolerant ubiquitin fusion protein from metal polluted soil by metatranscriptomic approach	Thakur B., Yadav R., Fraissinet-Tachet L., Marmeisse R., Sudhakara Reddy M.	Journal of Microbiological Methods	2018	36	4	Department of Biotechnology, TIFAC-Centre of Relevance and Excellence in Agro and Industrial Biotechnology (CORE), Thapar Institute of Engineering & Technology, Patiala, 147001, India	Web of Science
Role of pH on the photocatalytic activity of TiO $_2$ tailored by W/T mole ratio	Kaur H., Kumar S., Verma N.K., Singh P.	Journal of Materials Science: Materials in Electronics	2018	36	2	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Preparation of YZT a mixed conductor by microwave processing: A different mechanism in the solid state thermochemical reaction	Mago S., Sharma C., Mehra R., Pandey O.P., Singh K.L., Singh A.P.	Materials Chemistry and Physics	2018	36	6	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science

Performance analysis of κ - μ /gamma shadowed fading model over indoor off body communication channel	Shankar H., Kansal A.	AEU - International Journal of Electronics and Communications	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Effects of lyotropic anions on thermodynamic stability and dynamics of horse cytochrome c	Jain R., Agarwal M.C., Kumar R., Sharma D., Kumar R.	Biophysical Chemistry	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Heavy-ion collision dynamics: Correlation with elliptic flow and nuclear stopping	Deepshikha, Kumar S.	Nuclear Physics A	2018	36	5	Department of Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
Unit commitment considering dual-mode combined heat and power generating units using integrated optimization technique	Anand H., Narang N., Dhillon J.S.	Energy Conversion and Management	2018	36	5	Computer Science & Engineering Department, Thapar University, Patiala, India	Web of Science
Efficient photodegradation of methylene blue (MB) under solar radiation by ZrC nanoparticles	Singh Vig A., Gupta A., Pandey O.P.	Advanced Powder Technology	2018	36	15	Department of Civil Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee, 247667, India	Web of Science
Heavy metal ions adsorption and photodegradation of remazol black XP by iron oxide/silica monoliths: Kinetic and equilibrium modelling	Singh J., Sharma M., Basu S.	Advanced Powder Technology	2018	36	11	Department of Electrical and Instrumental Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Department of Radiology, Manipal Hospitals, Bangalore, India	Web of Science
Integration of photocatalytic and biological processes for treatment of pharmaceutical effluent	Bhatia V., Dhir A., Ray A.K.	Journal of Photochemistry and Photobiology A: Chemistry	2018	36	7	PG Department of Physics, Khalsa College, Amritsar, 143005, India; School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
A comparative study on the effect of different precursors for synthesis and efficient photocatalytic activity of $g\text{-C}_3\text{N}_4/\text{TiO}_2/\text{bentonite}$ nanocomposites	Mishra A., Mehta A., Kainth S., Basu S.	Journal of Materials Science	2018	36	10	Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140407, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Chemistry, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140407, India	Web of Science
Photodeposition of Ag and Cu binary co-catalyst onto TiO_2 for improved optical and photocatalytic degradation properties	Bhardwaj S., Pal B.	Advanced Powder Technology	2018	36	10	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University Gharuan, Mohali, Punjab 140413, India	Web of Science

A novel triangular interval type-2 intuitionistic fuzzy sets and their aggregation operators	Garg H., Singh S.	Iranian Journal of Fuzzy Systems	2018	36	22	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Sangrur), Punjab 148106, India	Web of Science
Impact of phase noise on single-tap equalization for fast-OFDM signals under generic linear fading channels	Kohli A.K., Lamba G.S.	Optik	2018	36	4	School of Energy & Environment, Thapar University, Patiala, 147004, India; Department of Chemical & Biochemical Engineering, University of Western Ontario, London, Ontario ON N6A 3K7, Canada	Web of Science
Direct somatic embryogenesis of potato [Solanum tuberosum (L.)] cultivar 'Kufri Chipsona 2'	Kaur A., Reddy M.S., Kumar A.	Plant Cell, Tissue and Organ Culture	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India; School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; Indian Institute of Tropical Meteorology, Pashan, Pune, 411008, India	Web of Science
Formulation of some useful theorems for S-transform	Ranjan R., Singh A.K., Jindal N.	Optik	2018	36	4	Chemical Engg Department, National Institute of Technology Durgapur, M. G. Avenue 713209, India; Chemical Engg Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Brownian Motus and Clustered Binary Insertion Sort methods: An efficient progress over traditional methods	Goel S., Kumar R.	Future Generation Computer Systems	2018	36	4	Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore, 641004, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India	Web of Science
Influence of pH and temperature of dip-coating solution on the properties of cellulose acetate-ceramic composite membrane for ultrafiltration	Kaur H., Bulasara V.K., Gupta R.K.	Carbohydrate Polymers	2018	36	9	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India; Escuela Superior de Ingenieros, University of Seville, Seville, Spain	Web of Science
Epidemiological Study on Respiratory Health of School Children of Rural Sites of Malwa Region (India) During Post-harvest Stubble Burning Events	Saggu G.S., Mittal S.K., Agarwal R., Beig G.	Mapan - Journal of Metrology Society of India	2018	36	4	Thapar University, Patiala, Punjab, India; PEC University of Science and Technology, Chandigarh, India	Web of Science
An efficient multi-party scheme for privacy preserving collaborative filtering for healthcare recommender system	Kaur H., Kumar N., Batra S.	Future Generation Computer Systems	2018	36	22	TERI-Deakin Nano Biotechnology Centre, The Energy and Resources Institute (TERI), Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi, 110003, India; Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad, 211004, India; Department of Biotechnology, Thapar Institute of Engineering & Technology, Deemed to be a University, Patiala, Punjab 147004, India	Web of Science

Fluoride uptake by zeolite NaA synthesized from rice husk: Isotherm, kinetics, thermodynamics and cost estimation	Mukherjee S., Barman S., Halder G.	Groundwater for Sustainable Development	2018	36	7	TERI-Deakin Nano Biotechnology Centre, The Energy and Resources Institute (TERI), Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi, 110003, India; Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad, 211004, India; Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
An improved data-hiding approach using skin-tone detection for video steganography	Kumar P., Singh K.	Multimedia Tools and Applications	2018	36	4	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Institute of Fundamental Medicine and Biology, Kazan Federal University, Kazan, Tatarstan 420008, Russian Federation; Department of Microbiology and Immunology, University of Nevada, Reno, NV 89557, United States	Web of Science
Providing Healthcare-as-a-Service Using Fuzzy Rule Based Big Data Analytics in Cloud Computing	Jindal A., Dua A., Kumar N., Das A.K., Vasilakos A.V., Rodrigues J.J.P.C.	IEEE Journal of Biomedical and Health Informatics	2018	36	15	Research Scholar, Punjab Technical University, Jalandhar, India; B.R. Ambedkar National Institute of Technology, Jalandhar, India; Thapar Institute of Engineering and Technology, Patiala, India; DAV Institute of Engineering & Technology, Jalandhar, India; Punjab Technical University, Jalandhar, India	Web of Science
MEnSuS: An efficient scheme for energy management with sustainability of cloud data centers in edge–cloud environment	Aujla G.S., Kumar N.	Future Generation Computer Systems	2018	36	21	Department of Chemical Sciences, School of Basic and Applied Sciences, Central University of Punjab, Bathinda, 151001, India; Council of Scientific and Industrial Research, Institute of Microbial Technology, Sector 39A, Chandigarh, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Gujranwala Guru Nanak Khalsa College, Ghumar Mandi, Civil Lines, Ludhiana, 160035, India	Web of Science
A robust mutual authentication scheme for session initiation protocol with key establishment	Sureshkumar V., Amin R., Anitha R.	Peer-to-Peer Networking and Applications	2018	36	8	Research Center Imarat, Defence Research and Development Organization, Hyderabad, 500 069, India; Department of Computer Science and Engineering, Asansol Engineering College, Asansol, 713 305, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; Department of Information Technology, Jadavpur University, Salt Lake City, Kolkata, 700 098, India; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, 147004, India; Department of Computer Science, Electrical and Space Engineering, Lulea University of Technology, Lulea, 971 87, Sweden	Web of Science
HMADSO: a novel hill Myna and desert Sparrow optimization algorithm for cooperative rendezvous and task allocation in FANETs	Sharma V., Reina D.G., Kumar R.	Soft Computing	2018	36	5	Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India; Ecologie Microbienne, UMR CNRS, UMR INRA, Université Claude Bernard Lyon 1 Université de Lyon, Villeurbanne, F-69622, France	Web of Science

Semantic code clone detection for Internet of Things applications using reaching definition and liveness analysis	Tekchandani R., Bhatia R., Singh M.	Journal of Supercomputing	2018	36	2	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Computer Science and Information Systems, Birla Institute of Technology and Science, Pilani, 333031, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, Hyderabad, 500032, India; Innopolis University, Innopolis, 420500, Russian Federation; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, 37540-000, Brazil; Instituto de Telecomunicacoes, Lisboa, 1049-001, Portugal; ITMO University, Saint Petersburg, 197101, Russian Federation; University of Fortaleza (UNIFOR), Fortaleza, 60811-905, Brazil	Web of Science
PROTOTYPING of UNMANNED AERIAL GROUND VEHICLE (UAGV)	Sagar S., Aggarwal S., Chakravarty V., Garg S., Sondhi S.	2018 International Conference on Unmanned Aircraft Systems, ICUAS 2018	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, India	Web of Science
An integrated framework for anomaly detection in big data of medical wireless sensors	Saneja B., Rani R.	Modern Physics Letters B	2018	36	3	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Design and development of coaxial line based 2kw, 10-30db variable dual directional coupler	Jain A., Anurag, Yadav R.P.	IEEE MTT-S International Microwave and RF Conference, IMaRC 2017	2018	36	1	Thapar University, Electronics and Communication Engineering Department, Patiala, India; Indian Institute of Information Technology (IIIT), Electronics and Communication Engineering Department, Kilorhad Sonapat, India	Web of Science
Evaluation of Feature Selection Techniques for Software Maintenance Prediction	Nanda S., Bala A., Saxena S.	2nd International Conference on Computational Systems and Information Technology for Sustainable Solutions, CSITSS 2017	2018	36	2	Department of Computer Science, Thapar University, Patiala, Punjab, 147004, India	Web of Science
The Digital Universe: Changing Paradigms of E-Business in India	Malhi A.K., Pannu H.S., Sharma A.	2018 2nd International Conference on Engineering Innovation, ICEI 2018	2018	36	0	Computer Science and Engineering, Thapar Institute of Engg. Tech., Patiala, India; School of Humanities and Social Sciences, Thapar Institute of Engg. Tech., Patiala, India	Web of Science
Enantioselective synthesis of (-)-(5R,6S)-6-acetoxylhexadecan-5-olide via tandem α -aminoxylation-Henry reaction	Pandey R., Garg Y., Prakash R., Pandey S.K.	Arkivoc	2018	36	0	Department of Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147 004, India	Web of Science
Modelling finite and infinite behaviour of cancer stages using Büchi and finite automata	Singh N., Kumar A.	Current Science	2018	36	1	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, 221 005, India	Web of Science

Mitigation of Risk Using Rule Based Fuzzy FMEA Approach	Srivastava P., Khanduja D., Agrawal V.P.	Proceedings of the 8th International Conference Confluence 2018 on Cloud Computing, Data Science and Engineering, Confluence 2018	2018	36	0	National Institute of Technology, Kurukshetra, India; TIET, Patiala, India; AUUP, ASET, Noida, India	Web of Science
Evaluation of Diet for Stroke Patients through Soft Computing Algorithm	Sagar P., Choudhury T., Raj G., Gianey H.K.	Proceedings on 2018 International Conference on Advances in Computing and Communication Engineering, ICACCE 2018	2018	36	0	Amity University, Noida, Uttar Pradesh, India; University of Petroleum and Energy Studies, Dehradun, India; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Magnetorheological nanofinishing of BK7 glass for lens manufacturing	Kumar S., Singh A.K.	Materials and Manufacturing Processes	2018	36	5	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Improved magnetorheological honing process for nanofinishing of variable cylindrical internal surfaces	Grover V., Singh A.K.	Materials and Manufacturing Processes	2018	36	4	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
A rotating core-based magnetorheological nano-finishing process for external cylindrical surfaces	Singh M., Singh A., Singh A.K.	Materials and Manufacturing Processes	2018	36	9	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Magnetorheological finishing of ferromagnetic blind-hole type surfaces	Bedi T.S., Singh A.K.	Materials and Manufacturing Processes	2018	36	0	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
A new magnetorheological finishing process for ferromagnetic cylindrical honed surfaces	Bedi T.S., Singh A.K.	Materials and Manufacturing Processes	2018	36	8	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Ensuring privacy and security in E-health records	Vora J., Italiya P., Tanwar S., Tyagi S., Kumar N., Obaidat M.S., Hsiao K.-F.	CITS 2018 - 2018 International Conference on Computer, Information and Telecommunication Systems	2018	36	16	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala (Punjab), India	Web of Science
Blind signatures based secured E-healthcare system	Vora J., Devmurari P., Tanwar S., Tyagi S., Kumar N., Obaidat M.S.	CITS 2018 - 2018 International Conference on Computer, Information and Telecommunication Systems	2018	36	13	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Self-focusing of q-Gaussian laser beam in relativistic plasma using exponential density based transition	Aggarwal M., Richa R., Kumar H., Arora N.S., Gill T.S., Deepshikha D.	AIP Conference Proceedings	2018	36	1	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University, Gharuan, Punjab, 140413, India	Web of Science

Fragmentation and related aspects of $^{28}\text{Si} + ^{90}\text{Zr} \rightarrow ^{118}\text{Xe}^*$ reaction over $E_{\text{c.m.}} \sim 65\text{-}92$ MeV	Grover N., Sharma M.K.	AIP Conference Proceedings	2018	36	0	Institute of Technology, Nirma University, Department of Computer Engineering, Ahmedabad, Gujarat, India; Deemed to Be University, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; University of Jordan, King Abdullah II School of IT, Jordan	Web of Science
Transition energy as a probe to study the mass asymmetric nuclear reactions at intermediate energies	Deepshikha, Kumar S.	AIP Conference Proceedings	2018	36	0	Institute of Technology, Nirma University, Department of Computer Engineering, Ahmedabad, Gujarat, India; Deemed to Be University, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; University of Jordan, King Abdullah II School of IT, Jordan; Ming-Chuan University, Taiwan	Web of Science
Decay analysis of $^{216}\text{Th}^*$ nucleus using dynamical cluster-decay model	Kaur A., Sharma M.K.	AIP Conference Proceedings	2018	36	1	Department of Applied Science, Lyallpur Khalsa College of Engineering, Jalandhar, 144001, India; Punjab Technical University, Kapurthala, 144601, India; Department of Applied Science, Amritsar College of Engineering and Technology, Manawala, 143115, India; Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab, 147004, India	Web of Science
Circulating Fluid-Bed Studies for CO_2 Capture from Flue Gas using $\text{K}_2\text{CO}_3/\text{Al}_2\text{O}_3$ Adsorbent	Sengupta S., Amte V., Das A.K., Yadav M., Mandal S., Nerivetla S., Bhunia H.	Energy and Fuels	2018	36	3	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, Punjab, India	Web of Science
Hollow chitosan nanocomposite as drug carrier system for controlled delivery of ramipril	Basu T., Pal B., Singh S.	Chemical Physics Letters	2018	36	4	R and D Refining, Reliance Industries Limited, Jamnagar, Gujarat, 361142, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Acrylonitrile embedded benzimidazole-anthraquinone based chromofluorescent sensor for ratiometric detection of CN^- ions in bovine serum albumin	Kumar G., Gupta N., Paul K., Luxami V.	Sensors and Actuators, B: Chemical	2018	36	5	School of Chemistry and Biochemistry, Thapar University, Patiala, 147001, India	Web of Science
"8A" framework for value stream selection – an empirical case study	Narayanamurthy G., Gurumurthy A., Moser R.	Journal of Organizational Change Management	2018	36	0	University of St Gallen, St Gallen, Switzerland; LM Thapar School of Management, Mohali, India; Quantitative Methods and Operations Management (QM & OM) Area, Indian Institute of Management Kozhikode (IIMK), Kozhikode, India; Institute for International Management, University of St Gallen, St Gallen, Switzerland; Business Policy and Strategy, Indian Institute of Management Udaipur (IIMU), Udaipur, India	Web of Science

Accelerated carbonation curing of cement mortars containing cement kiln dust: An effective way of CO ₂ sequestration and carbon footprint reduction	Sharma D., Goyal S.	Journal of Cleaner Production	2018	36	18	Department of Civil Engineering, Thapar University, Patiala, India	Web of Science
Acetonitrile Dehydration via Extractive Distillation Using Low Transition Temperature Mixtures as Entrainers	Sharma B., Singh N., Jain T., Kushwaha J.P., Singh P.	Journal of Chemical and Engineering Data	2018	36	8	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Fe ₃ O ₄ @ PLGA-PEG Nanocomposite for Improved Delivery of Methotrexate in Cancer Treatment	Basu T., Singh S., Pal B.	ChemistrySelect	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Effect of process parameters on mechanical properties of solidified PLA parts fabricated by 3D printing process	Khatwani J., Srivastava V.	3D Printing and Additive Manufacturing Technologies	2018	36	0	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Design and fabrication of soft-bodied 3-D tactile sensors with magnetometers	Walia P., Bamotra A., Prituja A.V., Ren H.	2018 IEEE International Conference on Information and Automation, ICIA 2018	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Optimization of Cluster Head Selection in Hierarchical Clustered Sensor Networks	Dhaliwal J.K., Saxena S.	2018 7th International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions, ICRITO 2018	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Feature Selection using Mutual Information and Adaptive Particle Swarm Optimization for Image Steganalysis	Kaur J., Singh S.	2018 7th International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions, ICRITO 2018	2018	36	1	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
To demonstrate the potential application of "low temperature and high performance silicon heterojunction solar cells fabricated using HWCVD" in wireless sensor network: An initial research	Agarwal M., Munjal A., Dusane R.	Journal of Solar Energy Engineering, Transactions of the ASME	2018	36	0	Thapar Institute of Engineering and Technology, India	Web of Science
Chopper: An intelligent qos-aware autonomic resource management approach for cloud computing	Gill S.S., Chana I., Singh M., Buyya R.	Cluster Computing	2018	36	13	Electronics and Communication Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science

An empirical evaluation of energy-aware load balancing technique for cloud data center	Kansal N.J., Chana I.	Cluster Computing	2018	36	4	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
A pre-screening method for cardiac anomalies detection using phonocardiography signals	Cheema A., Singh M.	Indian Journal of Public Health Research and Development	2018	36	0	School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science
Game-theoretic resource allocation scheme for multiple-amplify-and-forward-relay wireless networks	Lamba A.K., Kumar R., Sharma S.	IET Communications	2018	36	3	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Application of Box-Behnken design and response surface methodology for multi-optimization of laser cutting of AA5052/ZrO ₂ metal-matrix composites	Sharma V., Kumar V.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	0	Computer Science and Engineering Department, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
Connection number of set pair analysis based TOPSIS method on intuitionistic fuzzy sets and their application to decision making	Kumar K., Garg H.	Applied Intelligence	2018	36	70	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Review on CFD Modelling of Fluidized Bed Combustion Systems based on Biomass and Co-firing	Kumar H., Mohapatra S.K., Singh R.I.	Journal of The Institution of Engineers (India): Series C	2018	36	4	Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Modelling of urban traffic noise using a systems approach	Singh D., Nigam S.P., Agrawal V.P., Kumar M.	Proceedings of the Institution of Civil Engineers: Transport	2018	36	4	School of Mathematics, Thapar Institute of Institute and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Error tolerance for the recognition of faulty strings in a regulated grammar using fuzzy sets	Kumar A., Kalra N., Garhwal S.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	0	Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India; Department of Civil Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Extended suffix array construction using Lyndon factors	Sunita, Garg D.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	0	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Modelling of surface roughness in a new magnetorheological honing process for internal finishing of cylindrical workpieces	Grover V., Singh A.K.	International Journal of Mechanical Sciences	2018	36	7	ECED, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Energy management and voltage stabilization in an islanded microgrid through an electric vehicle charging station	Singh S., Jagota S., Singh M.	Sustainable Cities and Society	2018	36	13	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Chemical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science

An investigation into the flowability of fine powders used in pharmaceutical industries	Garg V., Mallick S.S., Garcia-Trinanes P., Berry R.J.	Powder Technology	2018	36	12	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Effect of gate dielectric on the performance of ZnO based thin film transistor	Vyas S., Dwivedi A.D.D., Dwivedi R.D.	Superlattices and Microstructures	2018	36	8	Department of Biotechnology, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Similarity Measure of Complex Vague Soft Sets and Its Application to Pattern Recognition	Selvachandran G., Garg H., Alaroud M.H.S., Salleh A.R.	International Journal of Fuzzy Systems	2018	36	16	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
An advanced study on the similarity measures of intuitionistic fuzzy sets based on the set pair analysis theory and their application in decision making	Garg H., Kumar K.	Soft Computing	2018	36	78	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Corn steep liquor as a nutritional source for biocementation and its impact on concrete structural properties	Joshi S., Goyal S., Reddy M.S.	Journal of Industrial Microbiology and Biotechnology	2018	36	7	Electronics and Communication Engineering Department, Thapar University Patiala, Patiala, 147001, India	Web of Science
A new enrichment scheme in XFEM to model crack growth behavior in ductile materials	Kumar S., Bhardwaj G.	Theoretical and Applied Fracture Mechanics	2018	36	4	School of Mathematics, Thapar University Patiala, Patiala, Punjab 147004, India	Web of Science
Estimating the Efficiency of Public Infrastructure Investment: A State-wise Analysis	Saxena M., Chotia V., Rao N.V.M.	Global Business Review	2018	36	2	Computer Science and Engineering Department, Thapar University, Patiala, Punjab-147004, India	Web of Science
The Anatomy of Sustainable Growth Rate of Indian Manufacturing Firms	Arora L., Kumar S., Verma P.	Global Business Review	2018	36	3	School of Mathematics, Thapar University Patiala-147004, Punjab, India	Web of Science
Crisscross PSO algorithm for multi-objective generation scheduling of pumped storage hydrothermal system incorporating solar units	Patwal R.S., Narang N.	Energy Conversion and Management	2018	36	10	School of Mathematics, Thapar University Patiala, Punjab, 147004, India	Web of Science
An Efficient Image Forgery Detection Using Biorthogonal Wavelet Transform and Improved Relevance Vector Machine	Jain N.K., Rathore N.K., Mishra A.	Wireless Personal Communications	2018	36	1	Department of Biomedical Engineering, National University of Singapore, Singapore, 117583, Singapore; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Punjab, 147004, India	Web of Science
Performance Analysis of Joint Relay and Transmit-Receive Antenna Selection for Low Density Parity Check-Asynchronous Distributed Space Time Block Coded Cooperative Diversity System	Sood V.V., Sharma S., Khanna R.	Wireless Personal Communications	2018	36	0	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, 147004, India; Semiconductor Thin Film and Plasma Processing Laboratory, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, 400076, India	Web of Science

Synthesis of porous carbon monolith adsorbents for carbon dioxide capture: Breakthrough adsorption study	Singh J., Bhunia H., Basu S.	Journal of the Taiwan Institute of Chemical Engineers	2018	36	10	Computer Science and Engineering, Thapar University, Patiala, 147004, India; Computer Science Engineering Department, Bennett University, Greater Noida, 201310, India	Web of Science
Influence of CuO/MgO ratio on the gene expression, cytocompatibility, and antibacterial/anticancerous/analgesic drug loading kinetics for (15-x)CuO-xMgO-10P²/O⁵-60SiO²-10CaO-5ZnO (2.5 ≤ x ≤ 12.5) mesoporous bioactive glasses	Bains R., Sharma P., Mir R.A., Jeet S., Kaur G., Pandey O.P.	Journal of Biomedical Materials Research - Part A	2018	36	0	The Wolfson Centre for Bulk Solids Handling Technology, University of Greenwich, United Kingdom; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, India	Web of Science
Survey and selection of <i>Jatropha curcas</i> L. germplasm: Assessment of genetic variability and divergence studies on the seed traits and oil content	Kumar R., Das N.	Industrial Crops and Products	2018	36	5	Department of Electronics and Communication Engineering, Thapar University, Patiala, 147004, India; Department of Electrical and Electronics Engineering, Poornima University, Jaipur, 303905, India	Web of Science
A new method for segmentation of pre-detected Devanagari words from the scene images: Pihu method	Jindal K., Kumar R.	Computers and Electrical Engineering	2018	36	2	Department of Mechanical Engineering, Indian Institute of Technology Ropar Punjab 140001, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Association of XPA Polymorphisms Towards Lung Cancer Susceptibility and its Predictive Role in Overall Survival of North Indians	Lawania S., Singh N., Behera D., Sharma S.	Biochemical Genetics	2018	36	3	Department of Electronics and Electrical Engineering, Birla Institute of Technology and Science, Vidya Vihar, Pilani Road, Pilani, Rajasthan, India; LM Thapar School of Management, Thapar Institute of Engineering & Technology, Derabassi Campus, Derabassi, Mohali, Punjab, India; Department of Economics and Finance, Birla Institute of Technology and Science, New Academic Block Vidya Vihar, Pilani Road, Pilani, Rajasthan, India	Web of Science
Experimental investigation of photo-thermal analysis of blended nanoparticles (Al²/O³/Co^{f>3}/O⁴) for direct absorption solar thermal collector	Bhalla V., Khullar V., Tyagi H.	Renewable Energy	2018	36	25	L.M. Thapar School of Management, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Indian Institute of Information Technology, Allahabad, Uttar Pradesh, India	Web of Science

An integrated fuzzy approach for prioritizing supply chain complexity drivers of an Indian mining equipment manufacturer by Kavilal, E. G., Venkatesan, S. P., Kumar, K. D. H., [Resour. Policy 51 (2017) 204–218]: Suggested modification	Bhat S.A., Kumar A.	Resources Policy	2018	36	0	Jaypee University of Engineering and Technology, Guna, M.P., India; Thapar University, Patiala, Punjab, India	Web of Science
The Level of Toxic Elements in Edible Crops from Seleniferous Area (Punjab, India)	Skalnaya M.G., Jaiswal S.K., Prakash R., Prakash N.T., Grabeklis A.R., Zhegalova I.V., Zhang F., Guo X., Tinkov A.A., Skalny A.V.	Biological Trace Element Research	2018	36	3	Department of Biotechnology, Thapar University, Patiala, Punjab 147002, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education & Research (PGIMER), Sector 14, Chandigarh, India	Web of Science
Study of digital image processing techniques for leaf disease detection and classification	Dhingra G., Kumar V., Joshi H.D.	Multimedia Tools and Applications	2018	36	13	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technolog, Ropar, Rupnagar, Punjab 140001, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Conductivity, dielectric, and structural studies of (30-x) SrO-xBaO-10Al²/inf>O³/inf>-45SiO²/inf>-5B²/inf>O³/inf>-10Y²/inf>O³/inf> (5 ≤ x ≤ 25) glasses	Kaur N., Kaur G., Khan S., Singh K.	Ionics	2018	36	7	Department of Physics, Punjabi University, Patiala, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Certificateless public key authenticated encryption with keyword search for industrial internet of things	He D., Ma M., Zeadally S., Kumar N., Liang K.	IEEE Transactions on Industrial Informatics	2018	36	32	PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, Dumna Airport Road, Mehgeon, Jabalpur, Madhya Pradesh 482005, India; Thapar University, Patiala, Punjab 147004, India	Web of Science
Non-linear programming method for multi-criteria decision making problems under interval neutrosophic set environment	Garg H., Nancy	Applied Intelligence	2018	36	27	Department of Electronics and Communication Engineering, Chandigarh University, Mohali, Punjab 140413, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
A semi-supervised domain adaptation assembling approach for image classification	Saxena S., Pandey S., Khanna P.	Pattern Analysis and Applications	2018	36	1	Cloud Computing and Distributed Systems (CLOUDS) Lab, School of Computing and Information Systems, The University of Melbourne, Parkville, VIC, Australia; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science

Extended visual cryptography techniques for true color images	Dhiman K., Kasana S.S.	Computers and Electrical Engineering	2018	36	5	Department of Mechanical Engineering, Punjabi University, Patiala, Punjab 147002, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Mechanical Engineering, Birla Institute of Technology and Science, Pilani, Rajasthan 333031, India	Web of Science
Generalized interaction aggregation operators in intuitionistic fuzzy multiplicative preference environment and their application to multicriteria decision-making	Garg H.	Applied Intelligence	2018	36	14	Department of Actuarial Science and Applied Statistics, Faculty of Business and Information Science, UCSI University, Jalan Menara Gading, Cheras, Kuala Lumpur, 56000, Malaysia; School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India; School of Mathematical Sciences, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM), Bangi, Selangor DE 43600, Malaysia	Web of Science
A nonlinear-programming methodology for multi-attribute decision-making problem with interval-valued intuitionistic fuzzy soft sets information	Garg H., Arora R.	Applied Intelligence	2018	36	41	State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, 430072, China; State Key Laboratory of Cryptology, Beijing, 100878, China; School of Mathematics and Statistics, Wuhan University, Wuhan, 430072, China; College of Communication and Information, University of Kentucky, Lexington, KY 40506, United States; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Computer Science, University of Surrey, Guildford, GU2 7XH, United Kingdom	Web of Science
A boolean spider monkey optimization based energy efficient clustering approach for WSNs	Mittal N., Singh U., Salgotra R., Sohi B.S.	Wireless Networks	2018	36	17	Yaroslavl State University, Yaroslavl, 150000, Russian Federation; Peoples' Friendship University of Russia (RUDN University), Moscow, 105064, Russian Federation; Thapar University, Patiala, 147004, India; I.M. Sechenov First Moscow State Medical University, Moscow, 119992, Russian Federation; Key Laboratory of Trace Elements and Endemic Diseases of National Health and Family Planning Commission, School of Public Health, Health Science Center, Xi'an Jiaotong University, Xi'an, 710000, China; Institute of Cellular and Intracellular Symbiosis, Russian Academy of Sciences, Orenburg, 460008, Russian Federation; Orenburg State University, Orenburg, 460352, Russian Federation; Trace Element Institute for UNESCO, Lyon, 69001, France	Web of Science

Power quality improvement using DSTATCOM with affine projection algorithm	Badoni M., Singh A., Singh B.	IET Generation, Transmission and Distribution	2018	36	3	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; Electrical Engineering Department, Delhi Technological University, Delhi, India; Electrical Engineering Department, Indian Institute of Technology Delhi, Delhi, India	Web of Science
EnLoc: Data locality-aware energy-efficient scheduling scheme for cloud data centers	Kaur K., Kumar N., Garg S., Rodrigues J.J.P.C.	IEEE International Conference on Communications	2018	36	6	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, P.O. Box 32, Patiala, 147004, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, P.O. Box 32, Patiala, 147004, India	Web of Science
A Preterm Birth Risk Prediction System for Mobile Health Applications Based on the Support Vector Machine Algorithm	Moreira M.W.L., Rodrigues J.J.P.C., Marcondes G.A.B., Neto A.J.V., Kumar N., Diez I.D.L.T.	IEEE International Conference on Communications	2018	36	1	Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; King Abdullah School of Information Technology, University of Jordan, Jordan	Web of Science
HyClass: Hybrid classification model for anomaly detection in cloud environment	Garg S., Kaur K., Kumar N., Batra S., Obaidat M.S.	IEEE International Conference on Communications	2018	36	10	Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; King Abdullah School of Information Technology, University of Jordan, Jordan	Web of Science
Edge-based content delivery for providing QoE in wireless networks using quotient filter	Garg S., Singh A., Kaur K., Batra S., Kumar N., Obaidat M.S.	IEEE International Conference on Communications	2018	36	7	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Punjab, India; King Abdullah School of Information Technology, University of Jordan, Jordan	Web of Science
Deep learning-based content centric data dissemination scheme for internet of vehicles	Gulati A., Aujla G.S., Chaudhary R., Kumar N., Obaidat M.S.	IEEE International Conference on Communications	2018	36	7	Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Punjab, India; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG, Brazil; Instituto de Telecomunicacoes, University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil	Web of Science
An Ensembled Scheme for QoS-Aware Traffic Flow Management in Software Defined Networks	Aujla G.S., Chaudhary R., Kumar N., Kumar R., Rodrigues J.J.P.C.	IEEE International Conference on Communications	2018	36	4	Department of Civil Engineering, University of Salerno, Via Giovanni Paolo II 132, Fisciano (SA), Italy; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, P.O. Box 32, Patiala, 147004, India; Department of Mechanical Engineering, North Cap University, Gurugram, 122017, India; Department of Civil Engineering, Thapar Institute of Engineering and Technology, P.O. Box 32, Patiala, 147004, India; Technical University of Sofia, English Language Faculty of Engineering, Kliment Ohridski 8, Sofia, 1000, Bulgaria	Web of Science

LaCSys: Lattice-based cryptosystem for secure communication in smart grid environment	Chaudhary R., Aujla G.S., Kumar N., Das A.K., Saxena N., Rodrigues J.J.P.C.	IEEE International Conference on Communications	2018	36	6	Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; National Institute of Telecommunications (Inatel), Brazil; Instituto de Telecomunicações, Portugal; ITMO University, Russian Federation; University of Fortaleza (UNIFOR), Brazil	Web of Science
Traffic noise prediction modelling using multi-level ensemble method	Rana P.S., Singh D.	AIP Conference Proceedings	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Punjab, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, India; Department of Computing and Informatics, Bournemouth University, Bournemouth, United Kingdom; National Institute of Telecommunications (Inatel), Santa Rita do Sapucá, MG, Brazil; Instituto de Telecomunicações, Portugal; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil	Web of Science
Honking noise contribution to road traffic noise prediction	Guarnaccia C., Singh D., Quartieri J., Nigam S.P., Kumar M., Mastorakis N.E.	AIP Conference Proceedings	2018	36	0	Instituto de Telecomunicações, Universidade da Beira Interior, Covilhã, Portugal; Instituto Federal de Educacao, Ciencia e Tecnologia Do Ceará (IFCE), Aracati, CE, Brazil; National Institute of Telecommunications (Inatel), Santa Rita do Sapucá, MG, Brazil; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil; Department of Informatics and Applied Mathematics, Federal University of Rio Grande Do Norte, Natal, RN, Brazil; Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India; Universidad de Valladolid (UVa), Valladolid, Spain	Web of Science
Myoglobin-Catalyzed C–H Functionalization of Unprotected Indoles	Vargas D.A., Tinoco A., Tyagi V., Fasan R.	Angewandte Chemie - International Edition	2018	36	31	Department of Chemistry, University of Rochester, 120 Trustee Road, Rochester, NY 14627, United States; Current address: School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology Punjab, India	Web of Science
Context-aware search optimization framework on the internet of things	Bharti M., Kumar R., Saxena S.	Concurrency Computation	2018	36	1	Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
In silico approach to analyze the biochemical pathways of bacterial metabolite synthesis	Tania, Goyal M., Baranwal M.	In Silico Approach for Sustainable Agriculture	2018	36	1	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Structure and reactivity/selectivity control by oriented-external electric fields	Shaik S., Ramanan R., Danovich D., Mandal D.	Chemical Society Reviews	2018	36	61	Institute of Chemistry, Hebrew University of Jerusalem, Jerusalem, 91904, Israel; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab 147 004, India	Web of Science

Up to date review on the synthesis and thermophysical properties of hybrid nanofluids	Gupta M., Singh V., Kumar S., Kumar S., Dilbaghi N., Said Z.	Journal of Cleaner Production	2018	36	36	Department of Mechanical Engineering, Guru Jambheshwar University of Science and Technology, Hisar, Haryana 125001, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Bio and Nano Technology, Guru Jambheshwar University of Science and Technology, Hisar, Haryana 125001, India; Department of Sustainable and Renewable Energy Engineering, University of Sharjah, PO Box 27272, Sharjah, United Arab Emirates	Web of Science
Anonymous Lightweight Chaotic Map-Based Authenticated Key Agreement Protocol for Industrial Internet of Things	Srinivas J., Das A.K., Wazid M., Kumar N.	IEEE Transactions on Dependable and Secure Computing	2018	36	17	Mathematics, Indian Institute of Technology Kharagpur, 30133 Kharagpur, West Bengal India 721302 (e-mail: jangiralasrinivas@maths.iitkgp.ernet.in); Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, Hyderabad, Telangana India 500 032 (e-mail: iitkgp.akdas@gmail.com); Cyber Security and Networks Lab, Innopolis University, Innopolis, Innopolis Russian Federation (e-mail: wazidkec2005@gmail.com); CSED, Thapar University, Patiala, Patiala, Punjab India (e-mail: neeraj.kumar@thapar.edu)	Web of Science
Development of chemically activated N-enriched carbon adsorbents from urea-formaldehyde resin for CO ₂ adsorption: Kinetics, isotherm, and thermodynamics	Tiwari D., Bhunia H., Bajpai P.K.	Journal of Environmental Management	2018	36	13	Department of Chemical Engineering, Thapar Institute of Engineering & Technology (Deemed to be University), Patiala, Punjab 147004, India	Web of Science
Influence of solid concentration on rheological characteristics of fly ash-water suspension	Singh H., Kumar S., Mohapatra S.K.	IOP Conference Series: Materials Science and Engineering	2018	36	2	Mechanical Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
Cyber forensics framework for big data analytics in IoT environment using machine learning	Chhabra G.S., Singh V.P., Singh M.	Multimedia Tools and Applications	2018	36	4	Computer Science and Engineering Department, Thapar University, Patiala, 147004, India	Web of Science

Compact Hardware Implementation of a SHA-3 Core for Wireless Body Sensor Networks	Yang Y., He D., Kumar N., Zeadally S.	IEEE Access	2018	36	4	Key Laboratory of Aerospace Information Security and Trusted Computing, Ministry of Education, School of Cyber Science and Engineering, Wuhan University, Wuhan, 430072, China; Jiangsu Key Laboratory of Big Data Security and Intelligent Processing, Nanjing University of Posts and Telecommunications, Nanjing, 210023, China; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; College of Communication and Information, University of Kentucky, Lexington, KY 40506, United States	Web of Science
Blowfish hybridized weighted attribute-based encryption for secure and efficient data collaboration in cloud computing	Ghosh S., Karar V.	Applied Sciences (Switzerland)	2018	36	4	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Optical Devices and Systems, CSIR-Central Scientific Instruments Organization, Sector 30-C, Chandigarh, 160030, India	Web of Science
Optical, Physical and Structural Properties of Er ³⁺ Doped Low-Phonon Energy Vitreous Matrix: ZnO-B ₂ O ₃ -TeO ₂	Chopra N., Kaur S., Kaur M., Singla S., Marwaha R., Sharma G., Heer M.S.	Physica Status Solidi (A) Applications and Materials Science	2018	36	3	Department of physics, Kanya Maha Vidyalaya, Jalandhar, Punjab 144004, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Physics, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab 144001, India	Web of Science
Performance evaluation of 2D face recognition techniques under image processing attacks	Sharma S., Kumar V.	Modern Physics Letters B	2018	36	5	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Durability properties of self-compacting concrete incorporating metakaolin and rice husk ash	Gill A.S., Siddique R.	Construction and Building Materials	2018	36	17	Department of Civil Engineering, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Frequency support in a micro-grid using virtual synchronous generator based charging station	Dhingra K., Singh M.	IET Renewable Power Generation	2018	36	12	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, India	Web of Science
Benzofuran and Indole: Promising Scaffolds for Drug Development in Alzheimer's Disease	Goyal D., Kaur A., Goyal B.	ChemMedChem	2018	36	40	Department of Chemistry, Faculty of Basic and Applied Sciences, Sri Guru Granth Sahib World University, Punjab, Fatehgarh Sahib 140406, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Punjab, Patiala 147004, India	Web of Science
Burgeoning tool of biomedical applications - Superparamagnetic nanoparticles	Khanna L., Verma N.K., Tripathi S.K.	Journal of Alloys and Compounds	2018	36	15	Department of Physics, Panjab University, Chandigarh, 160014, India; Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Automatic Load Frequency Control of Six Areas' Hybrid Multi-Generation Power Systems Using Neuro-Fuzzy Intelligent Controller	Prakash S., Sinha S.K.	IETE Journal of Research	2018	36	4	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science

Influence of Chemical Leaching on Rheology and Ash Reduction of Indian Coal	Juneja P., Kumar S., Mohapatra S.K.	International Journal of Coal Preparation and Utilization	2018	36	1	Electrical & Instrumentation Engineering Department, Thapar University, Patiala, India; Electrical Engineering Department, K.N.I.T., Sultanpur, India	Web of Science
A range-based approach for long-term forecast of weather using probabilistic markov model	Kaneriya S., Tanwar S., Buddhadev S., Verma J.P., Tyagi S., Kumar N., Misra S.	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	36	6	School of Humanities and Social Sciences, Thapar University Patiala, Punjab, India	Web of Science
Sustainable smart energy cyber-physical system: Can electric vehicles suffice its needs?	Jindal A., Aujla G.S., Kumar N., Misra S.	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	36	2	Department of Electronics and Communication Engineering, Chandigarh College of Engineering and Technology, Chandigarh, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
TCP-EXPO: Empirical approach to transport layer protocol for high-speed networks	Vanzara R., Thakkar M., Sharma P., Bhatt H.S., Tanwar S., Tyagi S., Kumar N., Rodrigues J.J.P.C.	2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018 - Proceedings	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala (Punjab), India; Computer Science and Engineering Department, Chandigarh University, Gharuan (Mohali), Punjab, India; Department of Computer Science and Engineering, Indian Institute of Technology Kharagpur West Bengal, India	Web of Science
Optimised periodic precoder-based blind channel estimation for MIMO-OFDM systems	Gupta B., Gupta S., Singh A.K., Joshi H.D.	International Journal of Electronics Letters	2018	36	1	Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, India; Thapar Institute of Engg. and Tech., Deemed University, Patiala, India; SIT, IIT, Kharagpur, India	Web of Science
Impact of personality traits and personal values on curriculum choice of young adults	Berring L., Kumari S., Ahuja S.	Journal of Beliefs and Values	2018	36	0	Ganpat University Mehsana, India; Institute of Technology, Nirma University, Ahmedabad, India; Space Applications Center (ISRO), India; Thapar Institute of Engineering and Technology, Patiala, India; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí - MG, Brazil; Instituto de Telecomunicações, Portugal; University of Fortaleza (UNIFOR), Fortaleza - CE, Brazil	Web of Science
A Comprehensive Review of Integrated Charger for on-Board Battery Charging Applications of Electric Vehicles	Singh A.K., Pathak M.K.	8th IEEE Power India International Conference, PIICON 2018	2018	36	1	Electrical Instrumentation Department, Thapar Institute of Engineering Technology, Patiala, India	Web of Science
Design of Encoder Simulator to Augment Data Acquisition for 4-Dimensional Rotary Table in Thermal Vacuum Chamber	Tiwary A., Kumar D., Jain S.K.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering Technology, Patiala, India	Web of Science
Frequency regulation in PV integrated Power System using MFO tuned PIDF controller	Sharma M., Bansal R.K., Prakash S., Dhundhara S.	8th IEEE Power India International Conference, PIICON 2018	2018	36	1	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

Development of a Prototype to Study the Effect of Moisture and Temperature on Breakdown Voltage of Transformer Oil	Sahore R., Basak P.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Dept. of Electronics and Communication, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Investigation of Water Drop on Silicone Rubber Insulator for High Voltage Transmission Line Using FEM	Srivastava V., Rajpurohit B.S., Kaur M.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Department of Electronics and Communication, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Numerical Analysis of Water drop on Silicone Rubber Insulator for High Voltage Power Transmission Line	Srivastava V., Rajpurohit B.S., Kaur M.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Department of Computer Science Engineering, Thapar Institute of Engineering Technology, Patiala, India	Web of Science
Contingency Assessment of Radial Distribution System	Awasthi H., Kaur M.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Department of Computer Science Engineering, Thapar Institute of Engineering Technology, Patiala, India	Web of Science
Impact of storage device on Load frequency control of a two-Area renewable penetrated power system	Jood P., Aggarwal S.K., Chopra V.	8th IEEE Power India International Conference, PIICON 2018	2018	36	0	Department of Computer Science Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Design of a novel energy efficient routing framework for Wireless Nanosensor Networks	Verma S., Kaur S., Dhiman G., Kaur A.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	36	3	Department of Computer Science, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Abnormality detection in ECG using hybrid feature extraction approach	Singh R., Rajpal N., Mehta R.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	36	1	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology Patiala, Patiala, India; Department of Electrical Engineering, Indian Institute of Technology, Roorkee, Roorkee, India	Web of Science
Machine Learning Based Saliency Algorithm for Image Forgery Classification and Localization	Thakur A., Jindal N.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; TTSD Division, Space Applications Centre, ISRO, Ahmedabad, India	Web of Science
A comparison of road network extraction from High Resolution Images	Soni P.K., Rajpal N., Mehta R.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	36	0	Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, India; School of Computing and Electrical Engineering, Indian Institute of Technology Mandi, Mandi, India	Web of Science
Comparison on Generative Adversarial Networks - A Study	Sharma A., Jindal N., Thakur A.	ICSCCC 2018 - 1st International Conference on Secure Cyber Computing and Communications	2018	36	1	Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, India; School of Computing and Electrical Engineering, Indian Institute of Technology Mandi, Mandi, India	Web of Science
Hybrid Approach to Detect Network Based Intrusion	Rani S., Jain S.	Proceedings - 2018 4th International Conference on Computing, Communication Control and Automation, ICCUBEA 2018	2018	36	0	Dr BR Ambedkar National Institute of Technology, Jalandhar, Punjab, India; Thapar University, Patiala, Punjab, India	Web of Science

Performance Evaluation of Multi Hop Routing Using Software Defined Network	Paluck, Jain S.	Proceedings - 2018 4th International Conference on Computing, Communication Control and Automation, ICCUBEA 2018	2018	36	USICT, Guru Gobind Singh Indraprastha University, Dwarka, New-Delhi, India; CSED, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
A Hybrid Approach for Outlier Detection in Weather Sensor Data	Saneja B., Rani R.	Proceedings of the 8th International Advance Computing Conference, IACC 2018	2018	36	USICT, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi, India; CSED TIET, Patiala, Punjab, India	Web of Science
Augmented Map Based Traffic Density Estimation for Robot Navigation	Kaur B., Bhattacharya J.	2018 IEEE Region 10 Symposium, Tensymp 2018	2018	36	Department of Electrical Engineering, Guru Kashi University, Bathinda, India; Electrical Instrumentation Engineering Department, Thapar University, Patiala, India; Department of Electrical Electronics Engineering UIET, Panjab University, Chandigarh, India	Web of Science
Smart Waste Bin: A New Approach for Waste Management in Large Urban Centers	Pardini K., Rodrigues J.J.P.C., Hassan S.A., Kumar N., Furtado V.	IEEE Vehicular Technology Conference	2018	36	National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí-MG, Brazil; Instituto de Telecomunicações, Portugal; University of Fortaleza (UNIFOR), Fortaleza-CE, Brazil; National University of Sciences and Technology (NUST), Islamabad, Pakistan; Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India	Web of Science
Stock Market Prediction using Machine Learning Algorithms: A Classification Study	Misra M., Yadav A.P., Kaur H.	2018 International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering, ICRIEECE 2018	2018	36	Deemed to Be University Patiala, Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, India	Web of Science
Applying Descriptive and Predictive Analytics on Academic Dataset	Phutela A., Kaur H.	2018 International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering, ICRIEECE 2018	2018	36	Thapar Institute of Engineering and Technology(Deemed to Be University), Department of Computer Science and Engineering, Patiala, India	Web of Science
Performance investigation of high capacity 10 Tb/s LP-MDM-WDM over multimode fiber link for short reach applications	Gupta R., Kaler R.S.	Optoelectronics and Advanced Materials, Rapid Communications	2018	36	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147001, India	Web of Science
Scalable metadata management techniques for ultra-large distributed storage systems - A systematic review	Singh H.J., Bawa S.	ACM Computing Surveys	2018	36	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Modified cuckoo search algorithm for multi objective flexible manufacturing system	Bharti P., Jain S.	International Journal of Mechanical Engineering and Technology	2018	36	CSED, Thapar University, Patiala, Punjab, India	Web of Science

Development of automatic packaging system using PLC and SCADA for industries	Gupta T., Kamboj S.	International Journal of Mechanical Engineering and Technology	2018	36	2	EIED, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Utilization of bagasse ash as a partial replacement of cement in self-compacting concrete	Khatun A., Singh K., Sharma R.	International Journal of Civil Engineering and Technology	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
An experimental study on geopolymer concrete with bagasse ash and metakaolin: A green concrete	Thakur P., Singh K., Sharma R.	International Journal of Civil Engineering and Technology	2018	36	0	EIED, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Benders decomposition for distribution networks with crossdocking centre	Singh M., Aggarwal D., Kumar V.	Pertanika Journal of Science and Technology	2018	36	0	EIED, Thapar University, Patiala, India	Web of Science
Modelling of smart car parking system using PLC	Singh G., Kamboj S.	International Journal of Mechanical Engineering and Technology	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
A low cost wireless patient-health tracking system	Singh M., Jain D.	Indian Journal of Public Health Research and Development	2018	36	0	Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
A Quick Gbest Guided Artificial Bee Colony algorithm for stock market prices prediction	Shah H., Tairan N., Garg H., Ghazali R.	Symmetry	2018	36	14	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala (Punjab), India	Web of Science
Multi-criteria decision-making method based on prioritized muirhead mean aggregation operator under neutrosophic set environment	Garg H., Nancy	Symmetry	2018	36	25	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
“Word Blindness” (Dyslexia): A bibliometric analysis of global research in last fifty years	Ram S.	DESIDOC Journal of Library and Information Technology	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Test data compression using hierarchical block merging technique	Vohra H., Singh A.	IET Computers and Digital Techniques	2018	36	2	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Adaptive neuro-fuzzy inference system-based path planning of 5-degrees-of-freedom spatial manipulator for medical applications	Narayan J., Singla E., Soni S., Singla A.	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Colour image encryption technique using differential evolution in non-subsampled contourlet transform domain	Kaur M., Kumar V.	IET Image Processing	2018	36	19	Mechanical Engineering Department, Thapar University, India	Web of Science
A novel dehazing model for remote sensing images	Singh D., Kumar V.	Computers and Electrical Engineering	2018	36	13	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science

A hybrid fuzzy time series forecasting model based on granular computing and bio-inspired optimization approaches	Singh P., Dhiman G.	Journal of Computational Science	2018	36	35	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
A Provably-Secure Cross-Domain Handshake Scheme with Symptoms-Matching for Mobile Healthcare Social Network	He D., Kumar N., Wang H., Wang L., Choo K.-K.R., Vinel A.	IEEE Transactions on Dependable and Secure Computing	2018	36	42	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Generalized MGF based analysis of line-of-sight plus scatter fading model and its applications to MIMO-OFDM systems	Singh D., Joshi H.D.	AEU - International Journal of Electronics and Communications	2018	36	6	School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Web of Science
Grid interfaced solar photovoltaic system using ZA-LMS based control algorithm	Badoni M., Singh A., Singh V.P., Tripathi R.N.	Electric Power Systems Research	2018	36	4	Department of Electronics and Communication Engineering, Thapar University, Punjab, Patiala, 147001, India	Web of Science
Optimized Routing for Efficient Data Dissemination in MANET to Meet the Fast-Changing Technology	Prakash D., Kumar N., Garg M.L.	Journal of Global Information Management	2018	36	0	Computer Science & Engineering Department, Thapar University, Patiala, India	Web of Science
Combinatorial interpretations of mock theta functions by attaching weights	Sharma S., Rana M.	Discrete Mathematics	2018	36	2	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Investigation of nuclear stopping observable in heavy ion collisions	Deepshikha, Kumar S.	Nuclear Physics A	2018	36	5	Civil Engineering Department, Chandigarh University, India; Civil Engineering Department, Thapar University, Patiala, India	Web of Science
Second-generation wavelet optimized finite difference method (SGWOFD) for solution of Burger's equation with different boundary conditions	Sharma D., Goyal K.	International Journal of Wavelets, Multiresolution and Information Processing	2018	36	2	Department of Civil Engineering, Chandigarh University, India; Civil Engineering, Thapar University Patiala, India	Web of Science
An approach for developing nickel–alumina powder-based metal matrix composite cladding on SS-304 substrate through microwave heating	Kaushal S., Singh B., Gupta D., Bhowmick H., Jain V.	Journal of Composite Materials	2018	36	4	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, India; Computer Science and Engineering Department, Punjabi University, Patiala, Punjab, India	Web of Science
Analysis of cracked plate using higher-order shear deformation theory: Asymptotic crack-tip fields and XIGA implementation	Singh S.K., Singh I.V., Mishra B.K., Bhardwaj G., Singh S.K.	Computer Methods in Applied Mechanics and Engineering	2018	36	17	Smt. Chandaben Mohanbhai Patel Institute of Computer Applications, CHARUSAT Campus, Changa, Anand, Gujarat 388421, India; Department of Computer Science & Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science

Monitoring invisible corrosion in concrete using a combination of wave propagation techniques	Sharma A., Sharma S., Sharma S., Mukherjee A.	Cement and Concrete Composites	2018	36	7	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Patiala, Punjab 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University Gharuan, Mohali, Punjab 140413, India	Web of Science
An efficient multipoint 5-axis tool positioning method for tensor product surfaces	Duvedi R.K., Bedi S., Mann S.	International Journal of Advanced Manufacturing Technology	2018	36	3	Thapar Institute of Engineering and Technology, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	Web of Science
Mechanical and thermal properties of SrO/BaO modified Y ₂ O ₃ -Al ₂ O ₃ -B ₂ O ₃ -SiO ₂ glasses and their compatibility with solid oxide fuel cell components	Kaur N., Kaur G., Kumar D., Singh K.	Journal of Physics and Chemistry of Solids	2018	36	3	Department of Physics, Punjabi University, Patiala, Punjab 147004, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab 147004, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Effect of dual particle size (DPS) on dry sliding wear behaviour of LM30/sillimanite composites	Sharma S., Nanda T., Pandey O.P.	Tribology International	2018	36	8	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab 140001, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
GIS-based evolutionary optimized Gradient Boosted Decision Trees for forest fire susceptibility mapping	Sachdeva S., Bhatia T., Verma A.K.	Natural Hazards	2018	36	7	Computer Science and Engineering Department, Thapar University, Patiala, 147004, India; Department of Computer Science and Engineering, Tezpur University, Tezpur, 784028, India	Web of Science
Influence of MoS ₂ , H ₃ BO ₃ , and MWCNT Additives on the Dry and Lubricated Sliding Tribology of AMMC-Steel Contacts	Singh H., Singh P., Bhowmick H.	Journal of Tribology	2018	36	5	College of Computer Science, King Khalid University, Abha, 62529, Saudi Arabia; School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab, 147004, India; Faculty of Computer Science and Information Technology, Universiti Tun Hussein Onn Malaysia, Batu Pahat Johor, 86400, Malaysia	Web of Science
Performance evaluation of a brine-recirculation multistage flash desalination system coupled with nanofluid-based direct absorption solar collector	Garg K., Khullar V., Das S.K., Tyagi H.	Renewable Energy	2018	36	11	Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, India; Mechanical Engineering Department, Indian Institute of Technology Ropar (IIT Ropar), Rupnagar, India; Biomedical Instrumentation Division, CSIR-Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India	Web of Science
Intriguing role of TiO ₂ in glass-ceramics: Bioactive and magneto-structural properties	Danewalia S.S., Singh K.	Journal of the American Ceramic Society	2018	36	6	School of Computer Science and Engineering, Faculty of Engineering, SMVD University, Katra, India; Department of Computer Science and Engineering, Thapar University, Patiala, India; Department of Computer Science and Engineering, DIT University, Dehradun, India	Web of Science

A Novel Design and FPGA Implementation of Filters Adapted Using LMS Variants	Sakshi, Kumar R.	Journal of Circuits, Systems and Computers	2018	36	0	Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Uttarakhand, 247667, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147001, India; School of Civil Engineering, Galgotias University, Greater Noida, India	Web of Science
Design of Secure and Lightweight Authentication Protocol for Wearable Devices Environment	Das A.K., Wazid M., Kumar N., Khan M.K., Choo K.-K.R., Park Y.	IEEE Journal of Biomedical and Health Informatics	2018	36	36	Civil Engineering Department, Lovely Professional University, Phagwara, India; Civil Engineering Department, Thapar Institute of Engineering & Technology, Patiala, India; Mechanical Engineering Department, Thapar Institute of Engineering & Technology, Patiala, India; Civil Engineering Department, Curtin University, Bentley, WA 6102, Australia	Web of Science
Evolutionary radial basis function network for gestational diabetes data analytics	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Al-Muhtadi J., Korotaev V.	Journal of Computational Science	2018	36	10	Department of Electrical & Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Department of Electrical Engineering, Delhi Technological University, Delhi, India; Department of Electrical Engineering, Government Engineering College, SonbhadaraUP, India; Next Generation Power Electronics Research Center, Kyushu Institute of Technology, Japan	Web of Science
An efficient ECC-based provably secure three-factor user authentication and key agreement protocol for wireless healthcare sensor networks	Challa S., Das A.K., Odelu V., Kumar N., Kumari S., Khan M.K., Vasilakos A.V.	Computers and Electrical Engineering	2018	36	32	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500032, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Mathematics, University of Padua, Padua, 35122, Italy; Department of Computer Science, Electrical and Space Engineering, Lulea University of Technology, Lulea, 971 87, Sweden	Web of Science
SDN-based energy management scheme for sustainability of data centers: An analysis on renewable energy sources and electric vehicles participation	Aujla G.S., Kumar N.	Journal of Parallel and Distributed Computing	2018	36	17	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500032, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Center of Excellence in Information Assurance, King Saud University, Riyadh, 11653, Saudi Arabia; Department of Information Systems and Cyber Security, Department of Electrical and Computer Engineering, University of Texas at San Antonio, San Antonio, TX 78249, United States; School of Electronics Engineering, Kyungpook National University, Daegu, 702-701, South Korea	Web of Science

A Novel Authentication and Key Agreement Scheme for Implantable Medical Devices Deployment	Wazid M., Das A.K., Kumar N., Conti M., Vasilakos A.V.	IEEE Journal of Biomedical and Health Informatics	2018	36	43	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad 500 032, India; Department of Computer Science and Engineering, Indian Institute of Information Technology Chittoor, Sri City 517 588, India; Department of Computer Science and Engineering, Thapar University, Patiala 147 004, India; Department of Mathematics, Ch. Charan Singh University, Meerut 250 005, India; Center of Excellence in Information Assurance, King Saud University, Riyadh, Saudi Arabia; Department of Computer Science, Electrical and Space Engineering, Lulea University of Technology, Lulea 971 87, Sweden	Web of Science
A fast partition-based batch-mode active learning technique using SVM classifier	Singla A., Patra S.	Soft Computing	2018	36	4	Instituto de Telecomunicações, Universidade da Beira Interior, Covilhã, Portugal; Instituto Federal de Educação, Ciência e Tecnologia do Ceará (IFCE), Aracati, Brazil; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG, Brazil; ITMO University, Saint Petersburg, Russian Federation; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil; Thapar University, Patiala, Punjab, India; College of Computer and Information Sciences (CCIS), King Saud University, Riyadh, 12372, Saudi Arabia	Web of Science
Hydro-thermal generation scheduling using integrated gravitational search algorithm and predator–prey optimization technique	Narang N.	Neural Computing and Applications	2018	36	1	State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, Hubei, 430072, China; State Key Laboratory of Cryptology, Beijing, 100878, China; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab 147004, India; School of Computer Science and Technology, Nanjing University of Posts and Telecommunications, Nanjing, Jiangsu, 210003, China; Key Laboratory of Aerospace Information Security and Trusted Computing, Ministry of Education, Computer School, Wuhan University, Wuhan, Hubei, 430072, China; Department of Information Systems and Cyber Security, University of Texas at San Antonio, San Antonio, TX 78249, United States; School of Information Technology and Mathematical Sciences, University of South Australia, Adelaide, SA 5001, Australia; School of Computer Science, China University of Geosciences, Wuhan, 430074, China; Halmstad University, Halmstad, 301 18, Sweden	Web of Science
Simulation and optimization of coal-water slurry suspension flow through 90° pipe bend using CFD	Singh J.P., Kumar S., Mohapatra S.K.	International Journal of Coal Preparation and Utilization	2018	36	2	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India, India	Web of Science

Commentary upon descriptive data analytics	Kaur H., Phutela A.	Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Deemed to Be University, Patiala, India	Web of Science
Real-time control of a rotary inverted pendulum using robust LQR-based ANFIS controller	Chawla I., Singla A.	International Journal of Nonlinear Sciences and Numerical Simulation	2018	36	1	Department of Mechanical Engineering, Thapar University, Patiala, 147001, India	Web of Science
EnergyChain: Enabling energy trading for smart homes using blockchains in smart grid ecosystem	Aggarwal S., Jindal A., Chaudhary R., Dua A., Auja G.S., Kumar N.	Proceedings of the 1st ACM MobiHoc Workshop on Networking and Cybersecurity for Smart Cities, SmartCitiesSecurity 2018	2018	36	15	School of Physics and Materials Science, Thapar University, Patiala, Punjab 147002, India	Web of Science
Assessment of non-polynomial shear deformation theories for thermo-mechanical analysis of laminated composite plates	Joshan Y.S., Grover N., Singh B.N.	Steel and Composite Structures	2018	36	1	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, West Bengal, 721302, India	Web of Science
Template free synthesis route to monophasic BaMgAl ₁₀ O ₁₇ with high luminescence efficiency	Jeet S., Pandey O.P.	Journal of Alloys and Compounds	2018	36	7	Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Birla Institute of Technology and Science Pilani, Rajasthan, India; Chandigarh University, Mohali, Punjab, India	Web of Science
In vitro propagation of important rootstocks of apple for rapid cloning and improvement	Kaur A., Singh D., Varsha, Gupta N., Kumar A.	Biotechnologies of Crop Improvement	2018	36	0	Department of Biotechnology, TIFAC-Centre of Relevance and Excellence in Agro and Industrial Biotechnology (CORE), Thapar University, Patiala, India	Web of Science
Design of 3-factor strict local language in ethological data mining of bengalese Finch's and White-Rumped Munia's song	Mathur P., Dagar V., Kumar A.	ICNC-FSKD 2017 - 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
A voltammetric method for Fe(III) in blood serum using a screen-printed electrode modified with a Schiff base ionophore	Mittal S.K., Rana S., Kaur N., Banks C.E.	Analyst	2018	36	4	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University, Hoshiarpur Campus, Hoshiarpur, Punjab, 146001, India	Web of Science
Optimization of Hydrogen-Enriched Biogas by Dry Oxidative Reforming with Nickel Nanopowder Using Response Surface Methodology	Rosha P., Singh R., Mohapatra S.K., Mahla S.K., Dhir A.	Energy and Fuels	2018	36	6	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Centre of Nanoscience and Nanotechnology, Panjab University, Chandigarh Punjab, 160014, India; School of Chemistry and the Environment, Manchester Metropolitan University, Manchester, M1 5GD, United Kingdom	Web of Science

Modeling, analysis and control of a single stage linear inverted pendulum	Singh G., Singla A.	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	2018	36	0	Dept. of Mechanical Engineering, Indian Institute of Technology Delhi, Delhi, India; Dept. of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Churn prediction in telecommunication using machine learning	Mishra K., Rani R.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	36	2	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
An adaptive quad tree based transform domain steganography for textual data	Kaur J., Pandey S.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	36	0	Computer Science and Engineering, Department Thapar University, Patiala, Punjab, India	Web of Science
PV and EV generation to reduce change in frequency and change in tie-line power fluctuations in three area power system	Kumar R., Bansal R.K., Prakash S.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	36	0	Department of Electrical Engineering Guru Kashi University, Bathinda, Punjab, India; Electrical and Instrumentation Engineering Department, Thapar University, Patiala, India	Web of Science
Cavity Soliton Molecules and All-Optical Push-Broom Effect	Kaur B., Jana S.	Journal of Lightwave Technology	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems	Dhiman G., Kumar V.	Knowledge-Based Systems	2018	36	44	School of Chemistry and Biochemistry, Thapar University, Patiala, India	Web of Science
Aggregation induced emission-excited state intramolecular proton transfer based "off-on" fluorescent sensor for Al ³⁺ ions in liquid and solid state	Kumar G., Paul K., Luxami V.	Sensors and Actuators, B: Chemical	2018	36	19	Wolfson Centre for Bulk Solids Handling Technology, University of Greenwich, Chatham, ME4 4TB, United Kingdom; School of Physics and Materials Science, Thapar University, Patiala, 147001, India	Web of Science
Tariff calculation using hybrid smart energy meter and fuzzy inference system	Mehta S., Kaushal J., Basak P.	2018 IEEMA Engineer Infinite Conference, eTechNxT 2018	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Space vector based PWM sequences for Z-source principal derived inverter topologies	Singh S., Sonar S.	2018 IEEMA Engineer Infinite Conference, eTechNxT 2018	2018	36	1	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Hydromagnetic flow of a heat radiating chemically reactive casson nanofluid past a stretching sheet with convective boundary conditions	Das M., Mahanta G., Parida S.B., Nandkeolyar R.	AIP Conference Proceedings	2018	36	1	Department of Mathematics, School of Applied Sciences, Kalinga Institute of Industrial Technology, Deemed to Be University, Bhubaneswar, 751024, India; Department of Mathematics, C. V. Raman College of Engineering, Bhubaneswar, 752054, India; School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science

Learning in an interactive simulation tool against landslide risks: The role of strength and availability of experiential feedback	Chaturvedi P., Arora A., Dutt V.	Natural Hazards and Earth System Sciences	2018	36	2	Applied Cognitive Science Laboratory, Indian Institute of Technology, Mandi, 175005, India; Defence Terrain Research Laboratory, Defence Research and Development Organization, Delhi, 110054, India; Computer Science and Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
On processing of Ni-WC based functionally graded composite clads through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Materials and Manufacturing Processes	2018	36	9	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Analyses of a heterogeneous lattice hydrodynamic model with low and high-sensitivity vehicles	Kaur R., Sharma S.	Physics Letters, Section A: General, Atomic and Solid State Physics	2018	36	7	School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Enablement of IoT based context-aware smart home with fog computing	Bansal M., Chana I., Clarke S.	Fog Computing: Breakthroughs in Research and Practice	2018	36	2	Thapar University, India; Trinity College, Ireland	Web of Science
Residence time distribution studies using radiotracers in chemical industry—A review	Sheoran M., Chandra A., Bhunia H., Bajpai P.K., Pant H.J.	Chemical Engineering Communications	2018	36	6	Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab, India; Isotope and Radiation Application Division, Bhabha Atomic Research Centre, Mumbai, India	Web of Science
An intuitive general rank-based correlation coefficient	Pandove D., Goel S., Rani R.	Frontiers of Information Technology and Electronic Engineering	2018	36	1	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Solar selective volumetric receivers for harnessing solar thermal energy	Khullar V., Tyagi H., Otanicar T.P., Hewakuruppu Y.L., Taylor R.A.	Journal of Heat Transfer	2018	36	8	School of Mathematics, Thapar University, Patiala, India	Web of Science
A novel approach for clustering big data based on mapreduce	Bathla G., Aggarwal H., Rani R.	International Journal of Electrical and Computer Engineering	2018	36	10	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
On processing of Ni-Cr ₃ /Ni-C ₂ based functionally graded clads through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Materials Research Express	2018	36	3	Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Effects of rotation and tidal distortions on the shapes of radial velocity curves of polytropic models of pulsating variable stars	Kumar T., Lal A.K., Pathania A.	Research in Astronomy and Astrophysics	2018	36	1	Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
An Efficient Writing-Zone Identification Technique for Online Handwritten Gurmukhi Character Recognition	Verma K., Sharma R.K.	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2018	36	3	School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science

Significant enhancement in the propagation of cosh-Gaussian laser beam in a relativistic-ponderomotive plasma using ramp density profile	Kumar H., Aggarwal M., Richa, Sharma D., Chandok S., Gill T.S.	Laser and Particle Beams	2018	36	2	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala Punjab, 147004, India	Web of Science
Vague entropy measure for complex vague soft sets	Selvachandran G., Garg H., Quek S.G.	Entropy	2018	36	14	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Hypsometric analysis of the micro-watersheds with different management practices located on Shivalik foothills	Walia S., Singh S., Loshali D.C., Babbar R.	Arabian Journal of Geosciences	2018	36	4	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Metal induction of two metallothionein genes in the ectomycorrhizal fungus suillus himalayensis and their role in metal tolerance	Kalsotra T., Khullar S., Agnihotri R., Reddy M.S.	Microbiology (United Kingdom)	2018	36	5	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
A micropropagation system for the cloning of cissus quadrangularis-a valuable medicinal plant	Anand M., Kaur T.	Medicinal Plants	2018	36	0	School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
UNLization of Punjabi text for natural language processing applications	Agarwal V., Kumar P.	Sadhana - Academy Proceedings in Engineering Sciences	2018	36	0	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India	Web of Science
Role of polymorphic XRCC6 (Ku70)/XRCC7 (DNA-PKcs) genes towards susceptibility and prognosis of lung cancer patients undergoing platinum based doublet chemotherapy	Singh A., Singh N., Behera D., Sharma S.	Molecular Biology Reports	2018	36	5	Research Lab, Computer Science and Engineering Department, Thapar University, Patiala, 147004, India; Department of Computer Science Engineering, School of Engineering and Applied Sciences, Bennett University, Greater Noida, 201310, India; Computer Science and Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
Effectiveness of magnetic field on the flow of Jeffrey fluid in an annulus with rotating concentric cylinders	Kumar D., Ramesh K., Chandok S.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	36	0	Departement of Computer Engineering, Punjabi University Patiala, Patiala, India; Departement of Computer Science and Engineering, Thapar University Patiala, Patiala, India	Web of Science
Semi-automatic leaf disease detection and classification system for soybean culture	Kaur S., Pandey S., Goel S.	IET Image Processing	2018	36	16	Department of Civil Engineering, Thapar Institute of Engineering & Technology, Patiala, 147004, India; Forestry and Land Use Division, Punjab Remote Sensing Centre, Punjab Agriculture University, Ludhiana, Punjab, India	Web of Science
Endophytic fungi of Tinospora cordifolia with anti-gout properties	Kapoor N., Saxena S.	3 Biotech	2018	36	1	Amity Institute of Biotechnology, Amity University, Gurgaon, Haryana, India; Department of Biotechnology, Thapar University, Patiala, Punjab, India	Web of Science

In vivo automated quantification of quality of apples during storage using optical coherence tomography images	Srivastava V., Dalal D., Kumar A., Prakash S., Dalal K.	Laser Physics	2018	36	1	Department of Biotechnology, Thapar University, Patiala, Punjab 147002, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education and Research (PGIMER), Sector 14, Chandigarh, India	Web of Science
Influence of single and dual particle reinforcements on the corrosion behavior of aluminum alloy based composites	Singla Y.K., Chhibber R., Avdesh, Goyal S., Sharma V.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Computer Science and Engineering Department, Bennett University, Greater Noida, UP, India	Web of Science
Influence of EGR on the simultaneous reduction of NO _x -smoke emissions trade-off under CNG-biodiesel dual fuel engine	Mahla S.K., Dhir A., Gill K.J.S., Cho H.M., Lim H.C., Chauhan B.S.	Energy	2018	36	27	#BC-213, BC Link Block (First Floor) Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Department of Microbiology, Uttarakhand (PG) College of Biomedical Sciences and Hospital, Dehradun, Uttarakhand 248002, India	Web of Science
Influence of flow velocity and flexural rigidity on the flow induced vibration and acoustic characteristics of a flexible plate	Purohit A., Darpe A.K., Singh S.P.	JVC/Journal of Vibration and Control	2018	36	5	Mechanical Engineering Department, Thapar University, Patiala, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, India	Web of Science
Some Aggregation Operators for Linguistic Intuitionistic Fuzzy Set and its Application to Group Decision-Making Process Using the Set Pair Analysis	Garg H., Kumar K.	Arabian Journal for Science and Engineering	2018	36	51	Department of Computer Science and Engineering, Thapar University, Patiala, India; Département d'Informatique, Université libre de Bruxelles, Brussels, Belgium	Web of Science
Secure sharing of mobile personal healthcare records using certificateless proxy re-encryption in cloud	Bhatia T., Verma A.K., Sharma G.	Transactions on Emerging Telecommunications Technologies	2018	36	1	Department of Information Security Engineering, Soonchunhyang University, Asan-si, 31538, South Korea; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
DPTR: Distributed priority tree-based routing protocol for FANETs	Sharma V., Kumar R., Kumar N.	Computer Communications	2018	36	8	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, GSSDGS Khalsa College, Patiala, 147001, India	Web of Science
A robust correlation coefficient measure of dual hesitant fuzzy soft sets and their application in decision making	Arora R., Garg H.	Engineering Applications of Artificial Intelligence	2018	36	60	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India; Fujian Longking Co., Ltd., Longyan, Fujian 364000, China	Web of Science
Experimental study of basin type vertical multiple effect diffusion solar still integrated with mini solar pond to generate nocturnal distillate	Dhindsa G.S., Mittal M.K.	Energy Conversion and Management	2018	36	4	Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, Maharashtra 400 076, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147 004, India	Web of Science

Dynamics of $^{17}\text{F} + ^{58}\text{Ni}$ reaction via complete and incomplete fusion processes at above barrier energies	Grover N., Sandhu K., Sharma M.K.	Nuclear Physics A	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, 147004, India; Department of Electrical Engineering, Jamia Millia Islamia (A Central University), New Delhi, 110025, India; School of Physics and Material Science, Thapar University, Patiala, 147004, India	Web of Science
On developing improved modelling for particle velocity and solids friction for fluidized dense-phase pneumatic transport systems	Sharma K., Mallick S.S., Mittal A., Pan R.	Powder Technology	2018	36	4	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Deemed University, Patiala, 147004, India; Department of Information Security Engineering, Soonchunhyang University, Asan-si, 31538, South Korea	Web of Science
Room temperature magnetoelectric and magnetodielectric properties of 2–2 bilayer $0.50\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3}\text{O}_{3-0.35}\text{PbTiO}_{3-0.15}\text{PbZrO}_{3}/\text{CoFeO}_{2})$ thin film	Ade R., Karthik T., Kolte J., Sambasiva V., Kulkarni A.R., Venkataramani N.	Scripta Materialia	2018	36	8	CSED, Thapar University, Patiala, Punjab, India; Department of Computer Science Engineering, School of Engineering and Applied Sciences, Bennett University, Greater Noida, U.P., India	Web of Science
Linguistic Pythagorean fuzzy sets and its applications in multiattribute decision-making process	Garg H.	International Journal of Intelligent Systems	2018	36	89	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India; Department of Computer Science and Engineering, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India	Web of Science
Study of long term drift of aluminum oxide thin film capacitive moisture sensor	Kumar S., Islam T., Raina K.K.	IEEE Transactions on Device and Materials Reliability	2018	36	5	Department of Actuarial Science and Applied Statistics, Faculty of Business and Information Science, UCSI University, Jalan Menara Gading, Cheras, Kuala Lumpur, 56000, Malaysia; School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab, 147004, India; A-Level Academy, UCSI College KL Campus, Lot 12734, Jalan Choo Lip Kung, Taman Taynton View, Cheras, Kuala Lumpur, 56000, Malaysia	Web of Science
Comparison of machining characteristics of metal matrix composites using CO_{2} laser curve cutting process	Sharma V., Kumar V.	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2018	36	2	Department of Mathematics, Lovely Professional University, Jalandhar, 144411, India; Department of Mathematics, IKG Punjab Technical University, Kapurthala, 144603, India; School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Modeling and simulation of driver's anticipation effect in a two lane system on curved road with slope	Kaur R., Sharma S.	Physica A: Statistical Mechanics and its Applications	2018	36	6	Department of Computer Science, National University of Singapore, Singapore; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Computer Science and Engineering, Indian Institute of Information Technology, Kalyani, West Bengal 741235, India	Web of Science

MVO-based 2-d path planning scheme for providing quality of service in UAV environment	Kumar P., Garg S., Singh A., Batra S., Kumar N., You I.	IEEE Internet of Things Journal	2018	36	12	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India; School of Mechanical, Materials, and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, 140001, India; Department of Mechanical Engineering, University of Tulsa, Tulsa, OK 74104, United States; School of Mechanical and Manufacturing Engineering, University of New South Wales, Sydney, NSW 2052, Australia; School of Mechanical and Manufacturing Engineering, School of Photovoltaics and Renewable Energy Engineering, University of New South Wales, Sydney, NSW 2052, Australia	Web of Science
SDN-Enabled Multi-Attribute-Based Secure Communication for Smart Grid in IIoT Environment	Chaudhary R., Auja G.S., Garg S., Kumar N., Rodrigues J.J.P.C.	IEEE Transactions on Industrial Informatics	2018	36	49	I.K. Gujral Punjab Technical University, Kapurthala, 144603, India; Department of Physics, Lyallpur Khalsa College of Engineering, Jalandhar, 144001, India; Department of Mathematics, Lyallpur Khalsa College, Jalandhar, 144001, India; Department of Mathematics, Thapar University, Patiala, 147004, India; Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India	Web of Science
Respiratory Health of School Children in Relation to Their Body Mass Index (BMI) During Crop Residue Burning Events in North Western India	Gupta S., Mittal S.K., Agarwal R.	Mapan - Journal of Metrology Society of India	2018	36	7	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India; Department of Biophysics, All India Institute of Medical Science, New Delhi, India; Department of Electrical, Electronic and Computer Engineering, University of Pretoria, Pretoria, South Africa; All India Institute of Ayurveda, Sarita Vihar, New Delhi, India	Web of Science
Improving quality of software product line by analysing inconsistencies in feature models using an ontological rule-based approach	Bhushan M., Goel S., Kumar A.	Expert Systems	2018	36	1	Department of Mechanical and Industrial Engineering, IITR, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India; Department of Mechanical Engineering, IIT Jodhpur, Jodhpur, Rajasthan, India; Department of Design, ISGEC Heavy Engineering Limited, Yamunanagar, Haryana, India; Department of Civil Engineering, Thapar University, Patiala, Punjab, India; Department of Metallurgical and Materials Engineering, IITR, Roorkee, Uttarakhand, India	Web of Science

Lightweight and privacy-preserving RFID authentication scheme for distributed IoT infrastructure with secure localization services for smart city environment	Gope P., Amin R., Hafizul Islam S.K., Kumar N., Bhalla V.K.	Future Generation Computer Systems	2018	36	39	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG 37540-000, Brazil; Instituto de Telecomunicacoes, Lisboa, 1049-001, Portugal; ITMO University, Saint Petersburg, 197101, Russian Federation; University of Fortaleza, Fortaleza, CE 60811-905, Brazil; National Institute of Telecommunications (Inatel), Santa Rita do Sapuca, MG 37540-000, Brazil	Web of Science
A modified DWT-based image steganography technique	Kumar V., Kumar D.	Multimedia Tools and Applications	2018	36	9	State Key Laboratory of Software Engineering, Computer School, Wuhan University, Wuhan, China; Department of Computer Science and Engineering, Thapar University, Patiala, India; Center of Excellence in Information Assurance, King Saud University, Riyadh, Saudi Arabia; Key Laboratory of Aerospace Information Security and Trusted Computing of Ministry of Education, Computer School, Wuhan University, Wuhan, China; School of Computer and Software, Nanjing University of Information Science and Technology, Nanjing, China	Web of Science
Efficient Privacy-Aware Authentication Scheme for Mobile Cloud Computing Services	He D., Kumar N., Khan M.K., Wang L., Shen J.	IEEE Systems Journal	2018	36	42	Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, Punjab, India; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mechanical Engineering, Gulzar Group of Institutes, Khanna, Ludhiana, Punjab, India; Department of Automotive and Mechanical Engineering, Kongju National University, South Korea; School of Mechanical Engineering, Pusan National University, South Korea; School of Mechanical Engineering, Lovely Professional University Punjab, India	Web of Science
A general compiler for password-authenticated group key exchange protocol in the standard model	Wei F., Kumar N., He D., Ye S.-S.	Discrete Applied Mathematics	2018	36	4	State Key Laboratory of Mathematical Engineering and Advanced Computing, Zhengzhou, China; State Key Laboratory of Cryptology, Beijing, China; Department of Computer Science and Engineering, Thapar University, Patiala, India; State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, China; Division of Convergence Computer and Media, Mokwon University, Daejeon, 302-729, South Korea	Web of Science
A novel (R, S)-norm entropy measure of intuitionistic fuzzy sets and its applications in multi-attribute decision-Making	Garg H., Kaur J.	Mathematics	2018	36	5	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science

Bayesian regularized neural network decision tree ensemble model for genomic data classification	Garg D., Mishra A.	Applied Artificial Intelligence	2018	36	1	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Sustainable energy planning decision using the intuitionistic fuzzy analytic hierarchy process: choosing energy technology in Malaysia: necessary modifications	Al-Qudaimi A., Kumar A.	International Journal of Sustainable Energy	2018	36	0	School of Mathematics, Thapar University, Patiala, India	Web of Science
Corporate social responsibility communication research: State of the art and recent advances	Tomaselli G., Garg L., Gupta V., Xuereb P.A., Buttigieg S.C.	Advances in Data Communications and Networking for Digital Business Transformation	2018	36	0	University of Malta, Malta; Thapar University, India	Web of Science
On the design of secure user authenticated key management scheme for multigateway-based wireless sensor networks using ECC	Sutrala A.K., Das A.K., Kumar N., Reddy A.G., Vasilakos A.V., Rodrigues J.J.P.C.	International Journal of Communication Systems	2018	36	6	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500032, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Computer & Information Security, Sejong University, Gwnagjin-Gu, Seoul, 05006, South Korea; Lab of Networks and Cybersecurity, Innopolis University, Russia, 1, Universitetskaya Str., Innopolis, Russian Federation; National Institute of Telecommunications (INATEL), Santa Rita do Sapucaí-MG, Brazil; Instituto de Telecomunicações, Portugal; ITMO University, Saint Petersburg, Russian Federation; University of Fortaleza (UNIFOR), Fortaleza-CE, Brazil	Web of Science
Study and analysis of feature based automatic music genre classification using Gaussian mixture model	Kaur C., Kumar R.	Proceedings of the International Conference on Inventive Computing and Informatics, ICICI 2017	2018	36	0	Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
Heavy metal accumulation from coal fly ash by cyanobacterial biofertilizers	Kaur R., Goyal D.	Particulate Science and Technology	2018	36	0	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Modeling flow properties of fine dry powders using particle morphological properties and its effects on geometry of fly ash evacuation hoppers	Mallick S.S., Rohilla L., Garg V., Setia G.	Particulate Science and Technology	2018	36	2	Department of Chemical Engineering and Biotechnology, Beant College of Engineering and Technology, Gurdaspur, Punjab, India; Department of Biotechnology, Thapar University, Patiala, Punjab, India	Web of Science
Generalised pythagorean fuzzy geometric interactive aggregation operators using einstein operations and their application to decision making	Garg H.	Journal of Experimental and Theoretical Artificial Intelligence	2018	36	30	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science

Performance analysis of effect of vibrations on solar panel conversion efficiency	Manu O., Verma J.K., Kalra P., Singh J., Kaur J., Bhatia H., Singh D., Sidhu E.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	36	2	Department of Mechanical Engineering, Punjabi University, Patiala, India; Department of Electronics and Communication Engineering, Punjabi University, Patiala, India; Department of Computer Engineering, Punjabi University, Patiala, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India; Department of Electrical and Communication Engineering, Punjabi University, Patiala, India; Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, India	Web of Science
Investigation of plasmonic nature of silver in ZnO matrix	Dohare C., Panday V., Ghosh S.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Silver nanoparticles added PVDF/ZnO nanocomposites: Synthesis and characterization	Singh U., Kumari N., Jha A.K., Chandra K.P., Kolte J., Kulkarni A.R., Prasad K.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Electrical conduction in PVDF/ZnO-Ag nanocomposites	Singh U., Jha A.K., Chandra K.P., Kolte J., Kulkarni A.R., Prasad K.	AIP Conference Proceedings	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering & Technology, Patiala, 147004, India	Web of Science
On the study of angular velocity in mass asymmetry nuclei	Kaur K., Kumar S.	AIP Conference Proceedings	2018	36	0	School of Physical Sciences, Jawaharlal Nehru University, New Delhi, India; Thapar University, Patiala, Punjab, India	Web of Science
Probing the effect of neutron excess on the dynamics of Hf compound system	Sharma I., Kumar R., Sharma M.K.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University, Gharuan, Punjab, 140413, India	Web of Science
Role of shell corrections in the phenomenon of cluster radioactivity	Kaur M., Singh B.B., Sharma M.K.	AIP Conference Proceedings	2018	36	0	Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India; SPMS, Thapar University, Patiala, 147004, India	Web of Science
Dielectric properties of PVDF/0.5(Ba _{0.7} Ca _{0.3})TiO ₃ -0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ composites	Pandey B.K., Chandra K.P., Kolte J., Kulkarni A.R., Jayaswal S.K., Prasad K.	AIP Conference Proceedings	2018	36	1	Shri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India; School of Physics and Materials Science, Thapar University, Patiala, 147001, India	Web of Science
Study of physical properties of strontium based aluminoborosilicate glasses	Kaur M., Kaur G., Kumar V.	AIP Conference Proceedings	2018	36	0	Department of Chemistry, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, 140406, India; Department of Nanotechnology, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, 140406, India; School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Web of Science

Bioconjugation of luminescent Eu-BDC-NH ₂ MOFs for highly efficient sensing of BSA	Kukkar P., Sammi H., Rawat M., Singh P., Basu S., Kukkar D.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, Punjab, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University, Gharuan, Punjab, 140413, India	Web of Science
Relative role of different radii in the dynamics of ⁸ B+ ⁵⁸ Ni reaction	Kaur A., Sandhu K., Sharma M.K.	AIP Conference Proceedings	2018	36	0	University Department of Physics, T.M. Bhagalpur University, Bhagalpur, 812007, India; Department of Physics, S.M. College, Bhagalpur, 812001, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology, Mumbai, 400076, India	Web of Science
On the contribution of symmetry and Coulomb components of nucleon-nucleon potentials in estimation of transition energy	Deepshikha, Kumar S.	AIP Conference Proceedings	2018	36	6	Aryabhata Centre for Nanoscience and Nanotechnology, Aryabhata Knowledge University, Patna, 800001, India; University Department of Chemistry, T.M. Bhagalpur University, Bhagalpur, 812007, India; Department of Physics, S.M. College, Bhagalpur, 812001, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology, Mumbai, 400076, India; University Department of Physics, T.M. Bhagalpur University, Bhagalpur, 812007, India	Web of Science
Catalytic Selective Hydrogenation and Cross Coupling Reaction Using Polyvinylpyrrolidone-Capped Nickel Nanoparticles	Bathla A., Pal B.	ChemistrySelect	2018	36	4	Aryabhata Centre for Nanoscience and Nanotechnology, Aryabhata Knowledge University, Patna, 800001, India; University Department of Chemistry, T.M. Bhagalpur University, Bhagalpur, 812007, India; Department of Physics, S.M. College, Bhagalpur, 812001, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology, Mumbai, 400076, India; University Department of Physics, T.M. Bhagalpur University, Bhagalpur, 812007, India	Web of Science
Secure key establishment in wireless sensor networks	Bala S., Sharma G., Verma A.K.	Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications	2018	36	0	Thapar University, India	Web of Science
Effect of time dependent morphological parameters of nanoclusters on perikinet heat conduction and induced micro-convection mechanisms of oxide based nanofluids	Kundan L., Mallick S.S.	Experimental Heat Transfer	2018	36	1	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science

Dynamics of Db isotopes formed in reactions induced by U 238, Cm 248, and Bk 249 across the Coulomb barrier	Kaur G., Sandhu K., Kaur A., Sharma M.K.	Physical Review C	2018	36	5	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Efficient image encryption method based on improved Lorenz chaotic system	Kaur M., Kumar V.	Electronics Letters	2018	36	26	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, GSSDGS Khalsa College, Patiala, 147001, India	Web of Science
Size-dependent studies in ferromagnetic nanoparticles dispersed ferroelectric liquid crystal mixtures	Khushboo, Sharma P., Malik P., Raina K.K.	Liquid Crystals	2018	36	7	Material Research Laboratory, School of Physics and Material Science, Thapar University Patiala, Patiala, India; Liquid Crystal Lab, Department of Physics, DR B R Ambedkar National Institute of Technology, Jalandhar, India; Dehradun Institute of Technology University, Dehradun, India	Web of Science
Bearing fault diagnosis using TQWT based Entropy features	Dovedi T., Upadhyay R.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	36		Thapar Institute of Engineering and Technology, Electronics and Communication Engineering Department, Patiala, Punjab, India	Web of Science
Investigation of 2x2 optical cross connect with different mach-zehnder interferometer techniques for optical networks	Dewra S., Kaler R.S.	Optoelectronics and Advanced Materials, Rapid Communications	2018	36	0	Electronics and Communication Engineering Department, Thapar University Patiala 147 004, India	Web of Science
Investigations on environmental emissions characteristics of CI engine fuelled with castor biodiesel blends	Mahla S.K., Dhir A., Singla V., Rosha P.	Journal of Environmental Biology	2018	36	2	Department of Electronics and Communication Engineering, Thapar University, Patiala, India	Web of Science
UAV-Empowered Edge Computing Environment for Cyber-Threat Detection in Smart Vehicles	Garg S., Singh A., Batra S., Kumar N., Yang L.T.	IEEE Network	2018	36	30	Thapar Institute of Engineering and Technology, Department of Chemical Engineering, Bhadson Road, Patiala, Punjab 147004, India	Web of Science
Effect of molecular weight of polyethylene glycol on the rheological properties of fumed silica-polyethylene glycol shear thickening fluid	Singh M., Verma S.K., Biswas I., Mehta R.	Materials Research Express	2018	36	5	Computer Science and Engineering Department, Research Lab, Thapar University, Patiala, India; Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Spontaneous fission of the end product in α -decay chain of recoiled superheavy nucleus: A theoretical study	Kaur A., Sawhney G., Sharma M.K., Gupta R.K.	International Journal of Modern Physics E	2018	36	1	Functional Materials Lab, School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Higher-order modification of Steffensen's method for solving system of nonlinear equations	Bhalla S., Kumar S., Argyros I.K., Behl R., Motsa S.S.	Computational and Applied Mathematics	2018	36	0	Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science

Enhanced sensitivity with thickness optimization of ZnO based acetone sensor	Deshwal M., Arora A.	Indian Journal of Pure and Applied Physics	2018	36	2	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
XPF polymorphism toward lung cancer susceptibility and survival in patients treated with platinum-based chemotherapy	Lawania S., Sharma S., Singh N., Behera D.	Future Oncology	2018	36	1	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Draft genome sequence of a fungus (<i>Fusarium tricinctum</i>) cultured from a monoisolate native to the Himalayas	Meena N., Vasundhara M., Reddy M.S., Suravajhala P., Raghavender U.S., Medicherla K.M.	Genome Announcements	2018	36	0	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Class-AB level shifted flipped voltage follower cell using bulk-driven technique	Jindal C., Pandey R.	IET Circuits, Devices and Systems	2018	36	3	School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science
An approach for analyzing the reliability and profit of an industrial system based on the cost free warranty policy	Niwas R., Garg H.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	36	9	School of Energy and Environment, Thapar University, Patiala, Punjab 147004, India; Department of Biofuel, CSIR CMERI CoEFM, Ludhiana, Punjab 141006, India	Web of Science
Role of sequence variations in AhR gene towards modulating smoking induced lung cancer susceptibility in North Indian population: A multiple interaction analysis	Budhwar S., Bahl C., Sharma S., Singh N., Behera D.	Current Genomics	2018	36	2	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology (Deemed to be University), Bhadson Road, Patiala, 147004, India	Web of Science
Teaching graphical simulations of Fourier series expansion of some periodic waves using spreadsheets	Singh I., Kaur B.	Physics Education	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Algorithms for interval-valued fuzzy soft sets in emergency decision making based on WDBA and CODAS with new information measure	Peng X., Garg H.	Computers and Industrial Engineering	2018	36	68	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Fructose modified synthesis of ZnO nanoparticles and its application for removal of industrial pollutants from water	Singh G., Singh J., Jolly S.S., Rawat R., Kukkar D., Kumar S., Basu S., Rawat M.	Journal of Materials Science: Materials in Electronics	2018	36	8	Research Lab, Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Optimization of Reactive Dividing-Wall Distillation Column for Ethyl t-Butyl Ether Synthesis	Kaur J., Sangal V.K.	Chemical Engineering and Technology	2018	36	4	Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science

A parallel computational approach for similarity search using Bloom filters	Chauhan S.S., Batra S.	Computational Intelligence	2018	36	1	Department of Electronics and Communication Engineering, Shaheed Bhagat Singh State Technical Campus, Ferozepur, Punjab 152004, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, 147001, India	Web of Science
On the study of rotational effects in mass asymmetric colliding nuclei at intermediate energies	Kaur K., Kumar S.	Nuclear Physics A	2018	36	2	Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, 146 001, India; School of Energy and Environment, Thapar University, Patiala, 147 004, India	Web of Science
Automated classification of non-motor mental task in electroencephalogram based brain-computer interface using multivariate autoregressive model in the intrinsic mode function domain	Dutta S., Singh M., Kumar A.	Biomedical Signal Processing and Control	2018	36	5	Thapar University, India; St. Francis Xavier University, Canada	Web of Science
Role of oxygen vacancies in Ag/Au doped CeO ₂ nanoparticles for fast photocatalysis	Mittal M., Gupta A., Pandey O.P.	Solar Energy	2018	36	39	Thapar Institute of Engineering and Technology, Department of Chemical Engineering, Punjab Patiala, 147004, India; Terminal Ballistics Research Laboratory, Sector 30, Chandigarh, India	Web of Science
Improved Particle Swarm Optimization Based Adaptive Neuro-Fuzzy Inference System for Benzene Detection	Pannu H.S., Singh D., Malhi A.K.	Clean - Soil, Air, Water	2018	36	11	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, Panjab University, Chandigarh, 160014, India	Web of Science
Novel scaled prioritized intuitionistic fuzzy soft interaction averaging aggregation operators and their application to multi criteria decision making	Garg H., Arora R.	Engineering Applications of Artificial Intelligence	2018	36	41	Department of Biotechnology, Thapar University, Punjab, 147002, India; Department of Pulmonary Medicine, Postgraduate Institute of Medical Education and Research (PGIMER), Sector 14, Chandigarh, India	Web of Science
Multiobjective thermal power load dispatch using adaptive predator-prey optimization	Singh N.J., Dhillon J.S., Kothari D.P.	Applied Soft Computing Journal	2018	36	3	Department of Biotechnology and Bioinformatics, Birla Institute of Scientific Research, Jaipur, Rajasthan, India; Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Origin of enhanced piezoelectric properties and room temperature multiferroism in MnO ₂ added 0.90(Li _{0.12} Na _{0.88} - ₁)NbO ₃ -0.10BaTiO ₃ ceramic	Mitra S., Karthik T., Kolte J., Ade R., Venkataramani N., Kulkarni A.R.	Scripta Materialia	2018	36	2	Department of Statistics, GGSDS College, Chandigarh, Punjab, India; School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Stability and phase space analysis of fluidized-dense phase pneumatic transport system	Kaur B., Mittal A., Jana S., Mallick S.S., Wypych P.	Powder Technology	2018	36	2	Department of Biotechnology, Thapar University, Patiala, Punjab 147002, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education and Research (PGIMER), Sector 14, Chandigarh, India	Web of Science

An experimental investigation on the effect of particle size into the flowability of fly ash	Rohilla L., Garg V., Mallick S.S., Setia G.	Powder Technology	2018	36	P.G. Department of Physics, Khalsa College, Amritsar, 4 143001, India; School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Development of full-field optical spatial coherence tomography system for automated identification of malaria using the multilevel ensemble classifier	Singla N., Srivastava V., Mehta D.S.	Journal of Biophotonics	2018	36	School of Information Science and Engineering, Shaoguan University, Shaoguan, 512005, China; School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, 147004, India	Web of Science
Assessment of integrated binary process by coupling photocatalysis and photo-Fenton for the removal of cephalixin from aqueous solution	Bansal P., Verma A., Mehta C., Singla J., Toor A.P.	Journal of Materials Science	2018	36	School of Physics and Material Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, University Institute of Sciences, Chandigarh University, Gharuan, Mohali, Punjab, India	Web of Science
Adsorption of CO ₂ on KOH activated, N-enriched carbon derived from urea formaldehyde resin: kinetics, isotherm and thermodynamic studies	Tiwari D., Bhunia H., Bajpai P.K.	Applied Surface Science	2018	36	Department of Electrical and Instrumentation Engineering, Thapar University Punjab, India; Central Scientific Instruments Organization Chandigarh, India	Web of Science
Antimicrobial and bioactive phosphate-free glass-ceramics for bone tissue engineering applications	Jha P., Danewalia S.S., Sharma G., Singh K.	Materials Science and Engineering C	2018	36	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Physics, Indian Institute of Technology Delhi, New Delhi, India	Web of Science
TOPSIS method based on the connection number of set pair analysis under interval-valued intuitionistic fuzzy set environment	Kumar K., Garg H.	Computational and Applied Mathematics	2018	36	School of Energy and Environment, Thapar University, Patiala, Punjab, India; University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, India	Web of Science
Bloom filter based optimization scheme for massive data handling in IoT environment	Singh A., Garg S., Batra S., Kumar N., Rodrigues J.J.P.C.	Future Generation Computer Systems	2018	36	State Forensics Science Laboratory, Sagar, Madhya Pradesh 470001, India; School of Physics & Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Fuel properties and emission characteristics of biodiesel produced from unused algae grown in India	Karmakar R., Kundu K., Rajor A.	Petroleum Science	2018	36	School of Mathematics, Thapar Institute of Engineering and Technology University, Patiala, Punjab 147004, India; Department of Mathematics Sciences, Cameron University, Lawton, OK 73505, United States; School of Mathematics, Statistics and Computer Sciences, University of KwaZulu-Natal, Private Bag X01, Scottsville, Pietermaritzburg, 3209, South Africa	Web of Science

Secure message communication protocol among vehicles in smart city	Dua A., Kumar N., Das A.K., Susilo W.	IEEE Transactions on Vehicular Technology	2018	36	29	Department of Electronics & Communication Engineering, Sri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India; Department of Nanotechnology, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; Department of Mechanical Engineering, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, 136119, India; Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; Department of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India	Web of Science
Data deduplication techniques for efficient cloud storage management: a systematic review	Kaur R., Chana I., Bhattacharya J.	Journal of Supercomputing	2018	36	6	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Sangrur), Punjab 148106, India; Gaikwad-Patil Group of Institutions, Wardha Road, Nagpur, 441108, India	Web of Science
Underwater pipelines panoramic image transmission and refinement using acoustic sensors	Jindal H., Kasana S.S., Saxena S.	International Journal of Wavelets, Multiresolution and Information Processing	2018	36	2	Department of Physics, Banasthali Vidyapith, Banasthali-304022Rajasthan, India; Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, Maharashtra 400 076, India; School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Evaluation of Biodegradability of Potato Peel Powder Based Polyolefin Biocomposites	Sugumaran V., Bhunia H., Narula A.K.	Journal of Polymers and the Environment	2018	36	0	The Wolfson Centre for Bulk Solids Handling Technology, University of Greenwich, Central Avenue, Chatham Maritime, Kent, ME4 4TB, United Kingdom; School of Physics and Materials Science, Thapar University, Patiala, Punjab 147004, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Faculty of Engineering and Information Sciences, University of WollongongNSW 2522, Australia	Web of Science
Slantlet based hybrid watermarking technique for medical images	Bamal R., Kasana S.S.	Multimedia Tools and Applications	2018	36	2	University School of Basic and Applied Sciences, Guru Gobind Singh Indraprastha University, New Delhi, 110078, India; Research & Development Centre, Indian Oil Corporation Limited, Sector 13, Faridabad, Haryana 121007, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science

Three-tier neural model for service provisioning over collaborative flying ad hoc networks	Sharma V., Kumar R.	Neural Computing and Applications	2018	36	4	Department of Computer Science and Information Systems, Birla Institute of Technology and Science, Pilani, 333 031, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147 004, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; School of Computing and Information Technology, University of Wollongong, Wollongong, NSW 2500, Australia	Web of Science
Microwave melting and processing of metal–ceramic composite castings	Singh S., Gupta D., Jain V.	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2018	36	6	Computer Science & Engineering Department, Thapar Institute of Engineering and Technology (Deemed University), Patiala (Punjab), India; National Institute of Telecommunications (Inatel), Brazil; Instituto de Telecomunicações, Portugal; ITMO University, Russian Federation; University of Fortaleza (UNIFOR), Brazil	Web of Science
Active noise control using Modified FsLMS and Hybrid PSOFF algorithm	Walia R., Ghosh S.	Applied Sciences (Switzerland)	2018	36	2	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Adsorption removal of malachite green dye from aqueous solution	Tewari K., Singhal G., Arya R.K.	Reviews in Chemical Engineering	2018	36	5	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India; Chemical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
CO ₂ adsorption on oxygen enriched porous carbon monoliths: Kinetics, isotherm and thermodynamic studies	Singh J., Bhunia H., Basu S.	Journal of Industrial and Engineering Chemistry	2018	36	16	Department of Chemical Engineering, Jaypee University of Engineering and Technology, Guna, A. B. Road, Raghogarh, Guna M. P., 473226, India; Department of Chemical Engineering, Thapar University, Patiala, Patiala, Punjab, 147004, India	Web of Science
Application of recycled ceramic aggregates for the production of Mineral-Asphalt Mixtures	Andrzejuk W., Barnat-Hunek D., Siddique R., Zegardlo B., Lagod G.	Materials	2018	36	12	Faculty of Economic and Technical Science, Pope John Paul II State School of Higher Education in Biala, Podlaska, Sidorska Str. 95/97, Biala Podlaska, 21-500, Poland; Faculty of Civil Engineering and Architecture, Lublin University of Technology, Nadbystrzycka Str. 40, Lublin, 20-618, Poland; Department of Civil Engineering, Thapar University, Patiala, Punjab, 147004, India; Faculty of Natural Sciences, Siedlce University of Natural Sciences and Humanities, 14 B. Prusa Str., Siedlce, 08-100, Poland; Faculty of Environmental Engineering, Lublin University of Technology, 40B Nadbystrzycka Str., Lublin, 20-618, Poland	Web of Science
Keyword extraction using machine learning approaches	Kaur B., Jain S.	Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018	36	3	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science

Machine learning approaches to predict basketball game outcome	Kaur H., Jain S.	Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018	36	2	CSED, Thapar University, Patiala, 147004, India	Web of Science
Protection against various attacks by using semi fragile technique	Ghai A., Kansal A., Hariom	Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017	2018	36	1	Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
Surface modification of SS-316L steel using microwave processed Ni/WC based composite clads	Kaushal S., Singh D., Gupta D., Jain V., Bhowmick H.	AIP Conference Proceedings	2018	36	1	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Prediction of drug synergy in cancer using ensemble-based machine learning techniques	Singh H., Rana P.S., Singh U.	Modern Physics Letters B	2018	36	7	Electronics and Communication Department, Lovely Professional University, Jalandhar, India; Electronics and Communication Department, Thapar University, Patiala, India; Electronics and Communication Department, UIET, Punjab University, Chandigarh, India	Web of Science
Firefly algorithm for reliable protection in distribution networks	Anand R., Kumar V.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	36	1	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Lagrangian relaxation for the vehicle routing problem with time windows	Aggarwal D., Kumar V., Girdhar A.	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies, ICICICT 2017	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Fault tolerance techniques for scientific applications in cloud	Talwani S., Chana I.	2nd International Conference on Telecommunication and Networks, TEL-NET 2017	2018	36	0	Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Prediction of heart disease severity with hybrid data mining	Saini M., Baliyan N., Bassi V.	2nd International Conference on Telecommunication and Networks, TEL-NET 2017	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science

Cloud Centric Authentication for Wearable Healthcare Monitoring System	Srinivas J., Das A.K., Kumar N., Rodrigues J.	IEEE Transactions on Dependable and Secure Computing	2018	36	33	Cyber Security, IIT Hyderabad, Hyderabad, Andhra Pradesh India (e-mail: getsrinunow1@gmail.com); Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, Hyderabad, Telangana India 500 032 (e-mail: iitkgp.akdas@gmail.com); CSED, Thapar University, Patiala, Patiala, Punjab India (e-mail: neeraj.kumar@thapar.edu); Post-graduation, National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG Brazil 37540-000 (e-mail: joeljr@ieee.org)	Web of Science
Crystal structure and electronic properties of Sr-substituted barium disilicide Ba _{1-x} Sr _x Si ₂ for solar cells: Computational and experimental studies	Imai M., Kumar M., Matsushita Y., Umezawa N.	Acta Materialia	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab, India; School of Energy and Environment, Thapar University, Patiala, Punjab, India	Web of Science
A comparative study to evaluate the corrosion performance of Zr incorporated Cr ₃ C ₂ -(NiCr) coating at 900 °C	Ahuja L., Mudgal D., Singh S., Prakash S.	Ceramics International	2018	36	6	Research Center for Functional Materials, National Institute for Materials Science Ibaraki 305-0047, Japan; International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science, 1-1 Namiki, Tsukuba, Ibaraki 305-0044, Japan; School of Physics and Materials Sciences, Thapar University, Patiala, Punjab 147004, India; Research Network and Facility Services Division, National Institute for Materials Science Ibaraki 305-0047, Japan	Web of Science
Corrigendum to "Feasibility of using combined TiO ₂ photocatalysis and RBC process for the treatment of real pharmaceutical wastewater" [J. Photochem. Photobiol. A: Chem. 353 (February) (2018) 263–270] (S1010603017313333) (10.1016/j.jphotochem.2017.11.013))	Talwar S., Sangal V.K., Verma A.	Journal of Photochemistry and Photobiology A: Chemistry	2018	36	0	Department of Mechanical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab, India; Department of Metallurgical and Materials Engineering, Indian Institute of Technology, Roorkee, Uttarakhand, India; Department of Mechanical Engineering, Thapar University Patiala Punjab, India	Web of Science
UWDBCSN analysis during node replication attack in WSN	Kaur H., Saxena S.	Handbook of Research on Information Security in Biomedical Signal Processing	2018	36	1	Thapar University, India; Department of Computer Science, Thapar University, India	Web of Science

Design of an Anonymity-Preserving Group Formation Based Authentication Protocol in Global Mobility Networks	Banerjee S., Odelu V., Das A.K., Chattopadhyay S., Kumar N., Park Y., Tanwar S.	IEEE Access	2018	36	16	Department of Information Technology, Jadavpur University, Kolkata, 700 098, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, 147 004, India; School of Electronics Engineering, Kyungpook National University, Daegu, 41566, South Korea; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, 382 481, India	Web of Science
Improved Slurryability and Rheological Characteristics of High Ash Indian Coal by Hydrothermal Treatment	Singh H., Kumar S., Mohapatra S.K.	International Journal of Coal Preparation and Utilization	2018	36	2	Mechanical Engineering Department, Thapar Institute of Engineering & Technology, Patiala, India	Web of Science
Evolution of zirconyl-stearate Langmuir monolayers and the synthesized ZrO ₂ thin films with pH	Choudhary R., Sharma R., Brar L.K.	AIP Conference Proceedings	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Artificial intelligence based intrusion detection system to detect flooding attack in VANETs	Aneja M.J.S., Bhatia T., Sharma G., Shrivastava G.	Handbook of Research on Network Forensics and Analysis Techniques	2018	36	4	Thapar University, Patiala, India; Université libre de Bruxelles, Belgium; Department of Computer Science and Engineering, National Institute of Technology Patna (Institute of National Importance), India; Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Corrosion performance of Cr ₃ C ₂ -NiCr+0.2%Zr coated super alloys under actual medical waste incinerator environment	Ahuja L., Mudgal D., Singh S., Prakash S.	IOP Conference Series: Materials Science and Engineering	2018	36	0	Department of Mechanical Engineering, SLIET, Longwol, Sangrur, 148106, India; Department of Mechanical Engineering, Thapar University, Patiala, 147004, India; Department of of Metallurgical and Materials Engineering, IIT Roorkee 247667, India	Web of Science
Developing Platform Ecosystem for Resource Mobilization: The Case of Social Enterprises in India	Hota P.K., Villari B.C., Subramanian B.	Journal of Information Technology Case and Application Research	2018	36	1	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Comprehensive review of continuous and discrete orthogonal moments in biometrics	Kaur P., Pannu H.S.	International Journal of Computer Mathematics: Computer Systems Theory	2018	36	1	Department of Strategy and Entrepreneurship, LM Thapar School of Management, Chandigarh, Punjab, India; Department of Strategic Management, I.I.M Kozhikode, Kozhikode, Kerala, India; Department of Information Technology & Systems, I.I.M Kozhikode, Kozhikode, Kerala, India; Department of Organization Behaviour and Human Resource Management, Thiagarajar School of Management, Madurai, Tamilnadu, India; Department of Organization Behaviour and Human Resource Management, I.I.M Kozhikode, Kozhikode, Kerala, India	Web of Science

Efficient disparity estimation from stereo images using hybrid-guided image filter	Jain K., Pannu H.S., Singh K., Malhi A.	Imaging Science Journal	2018	36	1	Central Research Laboratory, Bharat Electronics limited, Ghaziabad, UP, India; Computer Science and Engineering, Thapar University Patiala, India	Web of Science
Bioaccessible selenium sourced from Se-rich mustard cake facilitates protection from TBHP induced cytotoxicity in melanoma cells	Jaiswal S.K., Prakash R., Prabhu K.S., Tejo Prakash N.	Food and Function	2018	36	0	Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Automated in vivo identification of fungal infection on human scalp using optical coherence tomography and machine learning	Dubey K., Srivastava V., Mehta D.S.	Laser Physics	2018	36	0	Computer Science Engineering Department, Thapar University, Patiala, India	Web of Science
HEDEA: A python tool for extracting and analysing semi-structured information from medical records	Aggarwal A., Garhwal S., Kumar A.	Healthcare Informatics Research	2018	36	1	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
A Modified Method for Generation of Communication Sets	Bhardwaj R., Upadhyay A.	National Academy Science Letters	2018	36	0	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Steady-state dynamics of an inhomogeneous two-channel TASEP with Langmuir kinetics	Dhiman I., Gupta A.K.	International Journal of Modern Physics C	2018	36	4	Thapar University, CSED, India	Web of Science
Analysis of an industrial system under uncertain environment by using different types of fuzzy numbers	Garg H.	International Journal of Systems Assurance Engineering and Management	2018	36	9	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India; Chemical Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
LSCSH: Lattice-Based Secure Cryptosystem for Smart Healthcare in Smart Cities Environment	Chaudhary R., Jindal A., Auja G.S., Kumar N., Das A.K., Saxena N.	IEEE Communications Magazine	2018	36	19	School of Energy and Environment, Thapar Institute of Engineering & Technology, Patiala, India; Department of Chemical Engineering, Thapar Institute of Engineering & Technology, Patiala, India	Web of Science
Remediation of heavy metal ions using hierarchically porous carbon monolith synthesized via nanocasting method	Sharma M., Singh J., Hazra S., Basu S.	Journal of Environmental Chemical Engineering	2018	36	3	Thapar Institute of Engineering & Technology, Department of Chemical Engineering, P.O. Box 32, Bhadson Road, Patiala, Punjab, 147004, India	Web of Science
Secure and efficient context-aware localization of drones in urban scenarios	Sharma V., Jayakody D.N.K., You I., Kumar R., Li J.	IEEE Communications Magazine	2018	36	14	Thapar University, Patiala, India	Web of Science
Doping of magnetite nanoparticles facilitates clean harvesting of diatom oil as biofuel for sustainable energy	Kumar V., Singh R., Thakur S., Joshi K.B., Vinayak V.	Materials Research Express	2018	36	2	Wireless Network and Mobile Computing Group, CSED, Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
A novel defense scheme against flooding attack in mobile adhoc networks	Bhatia T., Verma A.K., Sharma G., Bala S.	Recent Patents on Engineering	2018	36	1	School of Mathematics, Thapar University, Patiala, India	Web of Science

Studies on Slurry Erosion Behavior of HVOF Applied Y ₂ O ₃ -Added WC-10Co-4Cr Cermet on 13-4 Martensitic Stainless Steel	Nath G., Kumar S.	Metallography, Microstructure, and Analysis	2018	36	3	Department of ECE, Thapar University, Patiala, India	Web of Science
A public platform for developing language-independent applications	Agarwal V., Kumar P.	Digital Scholarship in the Humanities	2018	36	1	School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Atomic-level finishing of aluminum alloy by chemo-mechanical magneto-rheological finishing (CMMRF) for optical applications	Ghai V., Ranjan P., Batish A., Singh H.	Journal of Manufacturing Processes	2018	36	3	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Multi-objective optimization of process parameters involved in micro-finishing of Al/SiC MMCs by abrasive flow machining process	Sushil M., Vinod K., Harmesh K.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	4	School of Physics and Materials Science, Thapar University, Patiala, Punjab 147004, India	Web of Science
Decay of Plutonium isotopes via spontaneous and heavy-ion induced fission paths	Sharma K., Sawhney G., Sharma M.K., Gupta R.K.	Nuclear Physics A	2018	36	4	Thapar University Punjab 147001, India	Web of Science
Effect of nanoclay and bolt preloads on the strength of bolted joints in glass epoxy nanocomposites	Chani K.S., Saini J.S., Bhunia H.	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	36	4	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Towards energy-aware fog-enabled cloud of things for healthcare	Mahmoud M.M.E., Rodrigues J.J.P.C., Saleem K., Al-Muhtadi J., Kumar N., Korotaev V.	Computers and Electrical Engineering	2018	36	16	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India; Department of Physics, Indian Institute of Technology Delhi, New Delhi, India	Web of Science
Synthesis of highly stable and efficient Ag loaded GO/TiO ₂ nanotube electrodes for the photoelectrocatalytic degradation of pentachlorophenol	Rajput H., Sangal V.K., Dhir A.	Journal of Electroanalytical Chemistry	2018	36	10	School of Mathematics, Thapar Institute of Engineering and Technology, Punjab, Patiala, 147004, India; Department of Mathematics, Indian Institute of Technology Ropar, Rupnagar, Punjab, 140001, India	Web of Science
Non-interactive approach to solve multi-objective thermal power dispatch problem using composite search algorithm	Singh N.J., Dhillon J.S., Kothari D.P.	Applied Soft Computing Journal	2018	36	3	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala Punjab, 147004, India; Saha Institute of Nuclear Physics, Kolkata, 700064, India	Web of Science
Laplace Transform Treatment for Chemical Engineering Systems: Whether to Use 0^+ or 0^+ ?	Ahuja S., Arya R.K.	Chemical Engineering and Technology	2018	36	3	Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, UIET Chandigarh, Chandigarh, India	Web of Science

Profit based unit commitment using hybrid optimization technique	Anand H., Narang N., Dhillon J.S.	Energy	2018	36	School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Physics, Panjab University, Chandigarh, India	Web of Science
Machine learning techniques for medical diagnosis of diabetes using iris images	Samant P., Agarwal R.	Computer Methods and Programs in Biomedicine	2018	36	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology Longowal-, Sangrur, Punjab 148106, India	Web of Science
Concentrating and Nonconcentrating Slurry and Fixed-Bed Solar Reactors for the Degradation of Herbicide Isoproturon	Verma A., Tejo Prakash N., Toor A.P., Bansal P., Sangal V.K., Kumar A.	Journal of Solar Energy Engineering, Transactions of the ASME	2018	36	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, 147004, India; University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, 160014, India; Chemical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Studies on biogas-fuelled compression ignition engine under dual fuel mode	Mahla S.K., Singla V., Sandhu S.S., Dhir A.	Environmental Science and Pollution Research	2018	36	Thapar University, Patiala, Punjab, India; Department of Electronics and Communication Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Rajpura, India	Web of Science
Image-adaptive watermarking using maximum likelihood decoder for medical images	Bhinder P., Singh K., Jindal N.	Multimedia Tools and Applications	2018	36	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016, India	Web of Science
A fuzzy-based trust model for flying ad hoc networks (FANETs)	Singh K., Verma A.K.	International Journal of Communication Systems	2018	36	Electronics & Communication Engineering Department, Thapar University Punjab, India; Department of Computer Science, Indian Institute of Technology Patna, India	Web of Science
Some methods for strategic decision-making problems with immediate probabilities in Pythagorean fuzzy environment	Garg H.	International Journal of Intelligent Systems	2018	36	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India; Department of Applied Sciences, Thapar Polytechnic College, Patiala, Punjab, India	Web of Science
Bandwidth allocation and distributed relay selection for multiple-user and multiple-relay cooperative systems using Stackelberg game	Rahi P., Sharma S.	International Journal of Communication Systems	2018	36	Department of Biotechnology, Thapar University, Punjab, 147002, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education & Research (PGIMER), Sector 14, Chandigarh, India	Web of Science
High-Rate STBC Communication System Using Imperfect CSI Under Time-Selective Flat-Fading Environment	Kohli A.K., Garg S.	Wireless Personal Communications	2018	36	National Institute of Technology Allahabad, Allahabad, India; Thapar University, Patiala, India	Web of Science

Comments on "Some new distance measures for type-2 fuzzy sets and distance measure based ranking for group decision making problems"	Singh S., Garg H.	Frontiers of Computer Science	2018	36	2	Optical Fiber Communication Research Laboratory (OFCR Lab), ECE Department, Thapar University, Patiala, 147004, India; Optoelectronic Nanodevice Research Laboratory, Department of Electrical Engineering, Indian Institute of Technology (IIT), Indore, 453446, India	Web of Science
Lithium-doped ceria supported SBA-15 as mesoporous solid reusable and heterogeneous catalyst for biodiesel production via simultaneous esterification and transesterification of waste cottonseed oil	Malhotra R., Ali A.	Renewable Energy	2018	36	17	School of Energy and Environment, Thapar University, Patiala, India; School of Chemistry and Biochemistry, Thapar University, Patiala, India; Department of Veterinary and Biomedical Sciences, Center for Molecular Toxicology and Carcinogenesis, Center for Molecular Immunology and Infectious Disease, Penn State Cancer Institute, 115 Henning Building, Pennsylvania State University, University Park, PA 16802, United States	Web of Science
Effect of thermal aging on stability of transformer oil based temperature sensitive magnetic fluids	Kaur N., Chudasama B.	Journal of Magnetism and Magnetic Materials	2018	36	5	School of Chemical Science and Technology, Department of Chemistry, Dr Harisingh Gour Central University, Sagar-MP, India; Department of Biotechnology, Thapar Institute of Engineering and Technology, Punjab, Patiala, India; School of Applied Sciences, Diatom Nanoengineering and Metabolism Lab (DNM), Dr Harisingh Gour Central University, Sagar-MP, India	Web of Science
New cuckoo search algorithms with enhanced exploration and exploitation properties	Salgotra R., Singh U., Saha S.	Expert Systems with Applications	2018	36	27	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India; Département d'Informatique, Université Libre de Bruxelles, Bruxelles, Belgium; Orange Labs, Meylan, France	Web of Science
A surface expressed alkaline phosphatase biosensor modified with flower shaped ZnO for the detection of chlorpyrifos	Pabbi M., Kaur A., Mittal S.K., Jindal R.	Sensors and Actuators, B: Chemical	2018	36	4	Department of Mechanical Engineering, Indian Institute of Technology, Ropar Nangal Road, Rupnagar, Punjab 140001, India; Precision Engineering Division, Bhabha Atomic Research Centre, Anushaktinagar, Mumbai, 400085, India; Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Ensemble based spam detection in social IoT using probabilistic data structures	Singh A., Batra S.	Future Generation Computer Systems	2018	36	9	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Sangrur, Punjab 148106, India; Gaikwad-Patil Group of Institutions, Wardha Road, Nagpur, 441 108, India	Web of Science

Comprehensive survey on haze removal techniques	Singh D., Kumar V.	Multimedia Tools and Applications	2018	36	18	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Sangrur), Punjab 148106, India; Gaikwad-Patil Group of Institutions, Wardha Road, Nagpur, 441108, India	Web of Science
Effect of Tailoring Martensite Shape and Spatial Distribution on Tensile Deformation Characteristics of Dual Phase Steels	Ravi Kumar B., Nanda T., Singh V., Adhikary M., Halder N., Venugopalan T.	Journal of Engineering Materials and Technology, Transactions of the ASME	2018	36	0	Thapar Institute of Engineering and Technology, United States; Chandigarh University, India; International Institute of Information Technology, India; Bournemouth University, India	Web of Science
BULLET: Particle Swarm Optimization Based Scheduling Technique for Provisioned Cloud Resources	Gill S.S., Buyya R., Chana I., Singh M., Abraham A.	Journal of Network and Systems Management	2018	36	19	Soonchunhyang University, South Korea; National Research Tomsk Polytechnic University, Russian Federation; Thapar University, India; Nanjing University of Science and Technology, China	Web of Science
XPC Polymorphism and Risk for Lung Cancer in North Indian Patients Treated with Platinum Based Chemotherapy and Its Association with Clinical Outcomes	Lawania S., Singh N., Behera D., Sharma S.	Pathology and Oncology Research	2018	36	2	Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, 146001, India; Adesh Institute of Engineering and Technology, Faridkot, 151203, India; Department of Mechanical Engineering, National Institute of Technology, Jalandhar, India; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
Self authenticating medical X-ray images for telemedicine applications	Bakthula R., Shivani S., Agarwal S.	Multimedia Tools and Applications	2018	36	6	Materials Science and Evaluation (MSE), CSIR-National Metallurgical Laboratory, Jamshedpur, 831007, India; Mechanical Engineering Department, Indus International University, Una, 174301, India; Mechanical Engineering Department, Thapar University, Patiala, 147004, India; Tata Steel Limited, Jamshedpur, 831001, India; Engineering Division, CSIR-National Metallurgical Laboratory, Jamshedpur, 831007, India	Web of Science
On-Chip Oval-Shaped Nanocavity Photonic Crystal Waveguide Biosensor for Detection of Foodborne Pathogens	Painam B., Kaler R.S., Kumar M.	Plasmonics	2018	36	5	Cloud Computing and Distributed Systems (CLOUDS) Lab, School of Computing and Information Systems, The University of Melbourne, Parkville, Australia; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India; Machine Intelligence Research Labs (MIR Labs), Scientific Network for Innovation and Research Excellence, Auburn, WA, United States	Web of Science

Multi-objective thermal power load dispatch using chaotic differential evolutionary algorithm and Powell's method	Singh N.J., Dhillon J.S., Kothari D.P.	Soft Computing	2018	36	4	Faculty of Computer Science & Information Technology, University of Kassala, Kassala, Sudan; College of Graduate Studies, Department of Computer Science, Sudan University of Science and Technology (SUST), Sudan; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG, Brazil; Instituto de Telecomunicações, Portugal; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil; ITMO University, St. Petersburg, Russian Federation; Center of Excellence in Information Assurance (CoEIA), King Saud University, Riyadh, 11653, Saudi Arabia; College of Computer and Information Sciences (CCIS), King Saud University, Riyadh, Saudi Arabia; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Fourier-Mellin moment-based intertwining map for image encryption	Kaur M., Kumar V.	Modern Physics Letters B	2018	36	17	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Synthesis of bimetallic Au-Ag alloyed mesocomposites and their catalytic activity for the reduction of nitroaromatics	Sareen S., Mutreja V., Pal B., Singh S.	Applied Surface Science	2018	36	17	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India; Department of Chemistry, Maharishi Markandeshwar University, Mullana, Haryana 133207, India	Web of Science
Elucidating doping driven microstructure evolution and optical properties of lead sulfide thin films grown from a chemical bath	Mohanty B.C., Bector K., Laha R.	Applied Surface Science	2018	36	1	School of Physics and Materials Science, Thapar University, Patiala, Punjab 147004, India; Department of Physics, Indian Institute of Technology PatnaBihar 801103, India	Web of Science
Induction of Catalytic Activity in ZnO Loaded Cobalt Based MOF for the Reduction of Nitroarenes	Kaur R., Chhibber M., Mahata P., Mittal S.K.	ChemistrySelect	2018	36	6	School of Chemistry & Biochemistry, Thapar University, Patiala, Punjab, India; School of Chemistry & Biochemistry, Thapar University, Patiala, Punjab, India; Department of Chemistry, Jadavpur University, Kolkata, West Bengal, India	Web of Science
Reconfiguring the marketing mix to counter the counterfeits in the global arena	Ghuman K., Merchant H.	Emerging Issues in Global Marketing: A Shifting Paradigm	2018	36	0	LM Thapar School of Management, Thapar University, Patiala, India; University of South Florida in St. Petersburg, St. Petersburg, FL, United States	Web of Science
Catalysis of Methyl Transfer Reactions by Oriented External Electric Fields: Are Gold-Thiolate Linkers Innocent?	Ramanan R., Danovich D., Mandal D., Shaik S.	Journal of the American Chemical Society	2018	36	25	Institute of Chemistry, Hebrew University of Jerusalem, Jerusalem, 91904, Israel; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147 004, India	Web of Science
Morphology, rheology and biodegradation of oxo-degradable polypropylene/polylactide blends	Mandal D.K., Bhunia H., Bajpai P.K., Chaudhari C.V., Dubey K.A., Varshney L.	Journal of Polymer Engineering	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab, 147004, India; Radiation Technology Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India	Web of Science

Clustering-based resource discovery on Internet-of-Things	Bharti M., Kumar R., Saxena S.	International Journal of Communication Systems	2018	36	5	Thapar University, Patiala, India	Web of Science
Technical feasibility of a proton battery with an activated carbon electrode	Heidari S., Seif Mohammadi S., Oberoi A.S., Andrews J.	International Journal of Hydrogen Energy	2018	36	3	School of Engineering (Aerospace, Mechanical and Manufacturing), RMIT UniversityVictoria 3083, Australia; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science
Comparative analysis of flat routing protocols in wireless sensor networks: Which one is better?	Randhawa S., Verma A.K.	Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2 2017	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Sentiment analysis of customer product reviews using machine learning	Singla Z., Randhawa S., Jain S.	Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2 2017	2018	36	11	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Classification of Cancerous Profiles Using Machine Learning	Sharma A., Rani R.	Proceedings - 2017 International Conference on Machine Learning and Data Science, MLDS 2017	2018	36	6	Department of computer Sc. and Engg., Thapar University, Patiala, India	Web of Science
A Support Vector Machine Based Approach for Code Smell Detection	Kaur A., Jain S., Goel S.	Proceedings - 2017 International Conference on Machine Learning and Data Science, MLDS 2017	2018	36	6	Thapar University, Patiala, Punjab, India; Global Technical Campus, Jaipur, Rajasthan, India	Web of Science
Comprehensive Review On Supervised Machine Learning Algorithms	Gianey H.K., Choudhary R.	Proceedings - 2017 International Conference on Machine Learning and Data Science, MLDS 2017	2018	36	7	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
INGC: Graph Clustering & Outlier Detection Algorithm Using Label Propagation	Bhatia V., Saneja B., Rani R.	Proceedings - 2017 International Conference on Machine Learning and Data Science, MLDS 2017	2018	36	1	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Spotted Hyena Optimizer for Solving Engineering Design Problems	Dhiman G., Kaur A.	Proceedings - 2017 International Conference on Machine Learning and Data Science, MLDS 2017	2018	36	28	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Computer Science and Engineering, Bennett University, G. Noida, Uttar Pradesh 201310, India	Web of Science
Synchronized operation of grid power, solar power, and battery for smart energy management	Kumar P., Thanki D.V.	Handbook of Research on Power and Energy System Optimization	2018	36	1	Thapar University, India; Lovely Professional University, India	Web of Science
Handbook of research on power and energy system optimization	Kumar P., Singh S., Ali I., Ustun T.S.	Handbook of Research on Power and Energy System Optimization	2018	36	1	Thapar University, India; Jamia Millia Islamia, India; Lovely Professional University, India	Web of Science
Demand-side management: Energy efficiency and demand response	Kumar P., Ali I., Thanki D.V.	Handbook of Research on Power and Energy System Optimization	2018	36	0	Thapar University, India; National Institute of Technology Kurukshetra, India; Jamia Millia Islamia, India; Carnegie Mellon University, United States	Web of Science

Visible irradiation induced photodegradation by NbC/C nanocomposite derived from smoked cigarette litter (filters)	Gupta A., Pandey O.P.	Solar Energy	2018	36	14	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Electrocatalytic oxidative treatment of real textile wastewater in continuous reactor: Degradation pathway and disposability study	Kaur P., Kushwaha J.P., Sangal V.K.	Journal of Hazardous Materials	2018	36	18	Department of Chemical Engineering, Thapar Institute of Engineering and Technology (Deemed to be University), Patiala, Punjab, India	Web of Science
Biosynthesis of tin oxide nanoparticles using Psidium Guajava leave extract for photocatalytic dye degradation under sunlight	Kumar M., Mehta A., Mishra A., Singh J., Rawat M., Basu S.	Materials Letters	2018	36	25	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Efficient removal of bisphenol S from aqueous solution by synthesized nano-zeolite secony mobil-5	Goyal N., Barman S., Bulasara V.K.	Microporous and Mesoporous Materials	2018	36	13	Dept. of NanotechnologySri Guru Granth Sahib World University, India; School of Chemistry and BiochemistryThapar University, India	Web of Science
Adaptive threshold method for peak detection of surface electromyography signal from around shoulder muscles	Kaur A., Agarwal R., Kumar A.	Journal of Applied Statistics	2018	36	5	ECED, Thapar University, Patiala, India; EIED, Thapar University, Patiala, India; Biomedical Instrumentation Unit, CSIR-CSIO, Chandigarh, India	Web of Science
A novel fault detection and recovery technique for cluster-based underwater wireless sensor networks	Goyal N., Dave M., Verma A.K.	International Journal of Communication Systems	2018	36	7	Department of Computer Engineering, National Institute of Technology, Kurukshetra, Haryana 136119, India; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Characterization of breast tumors using selected laws' mask texture features	Kriti, Virmani J., Agarwal R.	2017 4th International Conference on Image Information Processing, ICIIIP 2017	2018	36	1	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India; Indo-Swiss Training Centre, CSIR-Central Scientific Instruments Organization (CSIR-CSIO), Chandigarh, India	Web of Science
On segmentation of words from online handwritten Gurmukhi sentences	Dahake D., Sharma R.K., Singh H.	Proceedings - 2017 2nd International Conference on Man and Machine Interfacing, MAMI 2017	2018	36	2	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
A new 'Turn-on' PET-CHEF based fluorescent sensor for Al ³⁺ and CN ⁻ ions: Applications in real samples	Gupta A.S., Paul K., Luxami V.	Analytical Methods	2018	36	8	School of Chemistry and Biochemistry, Thapar University, Patiala, 147 004, India	Web of Science
A sensitive turn on fluorescent probe for detection of biothiols using MnO ₂ @carbon dots nanocomposites	Garg D., Mehta A., Mishra A., Basu S.	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2018	36	15	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science

Synthesis of molybdenum nitride (Mo ₂ N) nanoflakes via in-situ reduction-nitridation	Sidana H.K., Mir R.A., Pandey O.P.	Journal of Alloys and Compounds	2018	36	9	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Facile in-situ synthesis of Nb ₂ nanoparticles at low temperature	Gupta A., Singhal V., Pandey O.P.	Journal of Alloys and Compounds	2018	36	6	Functional Materials Lab, School of Physics and Materials Sciences, Thapar University, Patiala, 147004, India	Web of Science
Enhanced encrypted reversible data hiding algorithm with minimum distortion through homomorphic encryption	Bhardwaj R.	Journal of Electronic Imaging	2018	36	5	Thapar Institute of Engineering and Technology, Computer Science and Engineering Department, Patiala, India	Web of Science
An overview of problems and solutions for components subjected to fireside of boilers	Singh A., Sharma V., Mittal S., Pandey G., Mudgal D., Gupta P.	International Journal of Industrial Chemistry	2018	36	9	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Effects of Thermal Feed Quality on the Performance of a Divided Wall Distillation Column	Sangal V.K., Kumar V., Mishra I.M.	Theoretical Foundations of Chemical Engineering	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
Application of LSSVM and SMOTE on Seven Open Source Projects for Predicting Refactoring at Class Level	Kumar L., Sureka A.	Proceedings - Asia-Pacific Software Engineering Conference, APSEC	2018	36	3	Department of Computer Science, Thapar University, Patiala, India	Web of Science
Processing of Ni ₂₀ WC ₁₀ Mo based composite clads on austenitic stainless steel through microwave hybrid heating	Kaushal S., Singh D., Gupta D., Bhowmick H., Jain V.	Materials Research Express	2018	36	3	School of Mathematics, Thapar University Patiala, Patiala, 147004, India	Web of Science
Robust aggregation operators for multi-criteria decision-making with intuitionistic fuzzy soft set environment	Arora R., Garg H.	Scientia Iranica	2018	36	33	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Lie symmetry based-analytical and numerical approach for modified Burgers-KdV equation	Kumar V., Kaur L., Kumar A., Koksal M.E.	Results in Physics	2018	36	7	Department of Biotechnology, TIFAC-Centre of Relevance and Excellence in Agro and Industrial Biotechnology (CORE), Thapar University, Patiala, 147001, India	Web of Science
Effect of deformations on the compactness of odd-Z superheavy nuclei formed in cold and hot fusion reactions	Kaur G., Sandhu K., Sharma M.K.	Nuclear Physics A	2018	36	0	School of Mathematics, Thapar University, Patiala, Punjab, India	Web of Science
Quantifying matrix product state	Bhatia A.S., Kumar A.	Quantum Information Processing	2018	36	4	Mechanical Engineering Department, Thapar University, India; Chemical Engineering Department, Thapar University, India	Web of Science
Arithmetic Operations on Generalized Parabolic Fuzzy Numbers and Its Application	Garg H., Ansha	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2018	36	10	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Dehazing of remote sensing images using fourth-order partial differential equations based trilateral filter	Singh D., Kumar V.	IET Computer Vision	2018	36	21	Thapar University, Patiala, Punjab, India	Web of Science

Biochemical and histological changes during in vitro rooting of microcuttings of <i>Bacopa monnieri</i> (L.) Wettst	Goel A., Kaur A., Kumar A.	Acta Physiologiae Plantarum	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Performance evaluation of outsourcing decision using a BSC and fuzzy AHP approach: A case of the Indian coal mining organization by M., Modak, K., Pathak, K. K., Ghosh [Resour. Policy 52 (2017) 181–191]: Suggested modification	Bhat S.A., Kumar A.	Resources Policy	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
To study the contribution of different geometric parameters on the failure load for multi holes pin joints prepared from glass/epoxy nanoclay laminates	Singh M., Saini J.S., Bhunia H.	Journal of Composite Materials	2018	36	2	School of Mathematics, Thapar Institute of Engineering & Technology (Deemed University), Patiala, India	Web of Science
Competitive adsorption isotherm modelling of heterocyclic nitrogenous compounds, pyridine and quinoline, onto granular activated carbon and bagasse fly ash	Rameshraj D., Srivastava V.C., Kushwaha J.P., Mall I.D.	Chemical Papers	2018	36	7	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
Performance analysis of SFBC-OFDM system with channel estimation error over generalized fading channels	Singh D., Joshi H.D.	Transactions on Emerging Telecommunications Technologies	2018	36	7	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Integrating genome-wide association study summaries and element-gene interaction datasets identified multiple associations between elements and complex diseases	He A., Wang W., Prakash N.T., Tinkov A.A., Skalny A.V., Wen Y., Hao J., Guo X., Zhang F.	Genetic Epidemiology	2018	36	2	Mechanical Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
Placement of optical phase conjugation in WDM systems to suppress FWM	Kaur J., Singh H.	Microwave and Optical Technology Letters	2018	36	3	Thapar University, Patiala, India	Web of Science
Nature-Inspired Algorithm for Training Multilayer Perceptron Networks in e-health Environments for High-Risk Pregnancy Care	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Al-Muhtadi J., Korotaev V.	Journal of Medical Systems	2018	36	6	Thapar University, Patiala, India	Web of Science
Synthesis and characterization of low-cost ceramic membranes from fly ash and kaolin for humic acid separation	Rawat M., Bulasara V.K.	Korean Journal of Chemical Engineering	2018	36	12	Department of Mechanical and Automation Engineering, A.S.E.T., Amity University, Uttar Pradesh, Noida, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science

In vivo automated quantification of thermally damaged human tissue using polarization sensitive optical coherence tomography	Dubey K., Srivastava V., Dalal K.	Computerized Medical Imaging and Graphics	2018	36	1	Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Department of Chemical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, 826004, India	Web of Science
Effect of different plasmonic metals on photocatalytic degradation of volatile organic compounds (VOCs) by bentonite/M-TiO ₂ /nanocomposites under UV/visible light	Mishra A., Mehta A., Kainth S., Basu S.	Applied Clay Science	2018	36	9	Thapar University, India; Ashoka University, India	Web of Science
New exponential operational laws and their aggregation operators for interval-valued Pythagorean fuzzy multicriteria decision-making	Garg H.	International Journal of Intelligent Systems	2018	36	66	School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Department of Physics, GSSDGS Khalsa College, Patiala, 147001, India	Web of Science
GreenSched: An intelligent energy aware scheduling for deadline-and-budget constrained cloud tasks	Kaur T., Chana I.	Simulation Modelling Practice and Theory	2018	36	4	Department of Chemical Engineering, Indian Institute of Technology, Roorkee, Roorkee, Uttarakhand 247667, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
New Acyclic Arylether Ionophores as Potentiometric Sensors for Ca(II) and Fe(II) Ions	Kaur H., Chhibber M., Mittal S.K.	Mapan - Journal of Metrology Society of India	2018	36	0	Department of Electrical & Instrumentation Engineering, Thapar University, Patiala, Punjab, India; Department of Biophysics, All India Institute of Medical Science, New Delhi, India	Web of Science
Solar light driven photocatalytic degradation of Ofloxacin based on ultra-thin bismuth molybdenum oxide nanosheets	Gupta G., Umar A., Kaur A., Sood S., Dhir A., Kansal S.K.	Materials Research Bulletin	2018	36	21	CSIR—Central Electronics Engineering Research Institute, Pilani, 333031, India; Thapar University, Patiala, Punjab 147001, India	Web of Science
Nano-surface finishing of hardened AISI 52100 steel using magnetorheological solid core rotating tool	Maan S., Singh A.K.	International Journal of Advanced Manufacturing Technology	2018	36	5	Department of Information Security Engineering, Soonchunhyang University, Asan-si, 31538, South Korea; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Tungsten Oxide Thin Film Characterizations for Acetone Gas Detection	Sachdeva S., Agarwal A., Agarwal R.	Mapan - Journal of Metrology Society of India	2018	36	3	Thapar University, Patiala, Punjab, India; University of Waterloo, Waterloo, ON, Canada	Web of Science
Resource-based mobility management for video users in 5G using catalytic computing	Sharma V., You I., Kumar R.	Computer Communications	2018	36	6	CS&ED, Thapar University, Patiala, Punjab, India; Department of Computer Science Engineering, Bennett University, Greater Noida, U.P., India	Web of Science

Certificateless Provable Data Possession Scheme for Cloud-Based Smart Grid Data Management Systems	He D., Kumar N., Zeadally S., Wang H.	IEEE Transactions on Industrial Informatics	2018	36	24	Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh, 160014, India; Department of Chemistry, Faculty of Science and Arts and Promising Centre for Sensors and Electronic Devices (PCSED), Najran University, Najran, 11001, Saudi Arabia; Department of Chemistry, Panjab University, Chandigarh, 160014, India; School of Energy and Environment, Thapar University, Patiala, 147004, India	Web of Science
Numerical implementation of drop and tilt method of five-axis tool positioning for tensor product surfaces	Duvedi R.K., Bedi S., Mann S.	International Journal of Advanced Manufacturing Technology	2018	36	3	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Biotechnology, Thapar University, Patiala, Punjab 147004, India; Indian Institute of Packaging, Andheri (East), Mumbai, 400093, India; Rubber Technology Centre, Indian Institute of Technology, Kharagpur, West Bengal 721302, India	Web of Science
Analyzing inconsistencies in software product lines using an ontological rule-based approach	Bhushan M., Goel S., Kaur K.	Journal of Systems and Software	2018	36	3	Department of Mathematics, D.A.V. College Pundri, Kaithal 136026, Haryana, India; Department of Mathematics, Jaypee Institute of Information Technology, Noida (U. P), India; Department of Computer Science and Engineering, Thapar University, Patiala, India; Department of Mathematics, Ondokuz Mayıs University, 55139 Atakum, Samsun, Turkey	Web of Science
Biodegradation of Pro-oxidant Filled Polypropylene Films and Evaluation of the Ecotoxicological Impact	Mandal D.K., Bhunia H., Bajpai P.K., Kumar A., Madhu G., Nando G.B.	Journal of Polymers and the Environment	2018	36	4	Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, Jharkhand 826004, India; Department of Computer Science and Information Systems, Birla Institute of Technology and Science, Pilani, Rajasthan 333031, India; Center of Excellence in Information Assurance, King Saud University, Riyadh, Saudi Arabia; Department of Computer Science and Engineering, Thapar University, Patiala, Panjab 147004, India	Web of Science
Multi secret sharing with unexpanded meaningful shares	Shivani S.	Multimedia Tools and Applications	2018	36	8	State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, 430072, China; State Key Laboratory of Cryptology, P.O. Box 5159, Beijing, 100878, China; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; College of Communication and Information, University of Kentucky, Lexington, KY 40506, United States; Jiangsu Key Laboratory of Big Data Security and Intelligent Processing, School of Computer Science and Technology, Nanjing University of Posts and Telecommunications, Nanjing, 210028, China	Web of Science

VMVC: Verifiable multi-tone visual cryptography	Shivani S.	Multimedia Tools and Applications	2018	36	3	Key Laboratory of Trace Elements and Endemic Diseases of National Health and Family Planning Commission, School of Public Health, Health Science Center, Xi'an Jiaotong University, Xi'an, China; Institute for Molecular Medicine Finland (FIMM), University of Helsinki, Helsinki, Finland; Thapar University, Patiala, India; Peoples' Friendship University of Russia (RUDN University), Moscow, Russian Federation; Yaroslavl State University, Yaroslavl, Russian Federation; Orenburg State University, Orenburg, Russian Federation; Trace Element Institute for UNESCO, Lyon, France	Web of Science
A robust and anonymous patient monitoring system using wireless medical sensor networks	Amin R., Islam S.H., Biswas G.P., Khan M.K., Kumar N.	Future Generation Computer Systems	2018	36	78	Instituto de Telecomunicações, Universidade da Beira Interior (UBI), Covilhã, Portugal; Instituto Federal de Educação, Ciência e Tecnologia do Ceará (IFCE), Aracati, CE, Brazil; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG, Brazil; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil; ITMO University, Saint Petersburg, Russian Federation; Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India; College of Computer and Information Sciences (CCIS), King Saud University, Riyadh, 12372, Saudi Arabia	Web of Science
Influence of stress on propagation of shear wave in piezoelectric-piezoelectric (PE-PE) composite layered structure	Gaur A.M.	Latin American Journal of Solids and Structures	2018	36	2	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
Optimal integration of multi distributed generation sources in radial distribution networks using a hybrid algorithm	Bhullar S., Ghosh S.	Energies	2018	36	10	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Enhanced dye degradation using hydrothermally synthesized nanostructured Sb ₂ S ₃ /rGO under visible light irradiation	Dashairya L., Sharma M., Basu S., Saha P.	Journal of Alloys and Compounds	2018	36	17	Department of Ceramic Engineering, National Institute of Technology, Rourkela, Odisha 769008, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Surface Modification of Nanocrystalline Zeolite X and Its Application as Catalyst in Synthesis of Cumene in a Packed Bed Flow Reactor: A Kinetic Study	Thakur R., Barman S., Halder G.	International Journal of Chemical Reactor Engineering	2018	36	2	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Chemical Engineering, National Institute of Technology, Durgapur, West Bengal, India; School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India	Web of Science

Plasmonic stimulated photocatalytic/electrochemical hydrogen evolution from water by (001) faceted and bimetallic loaded titania nanosheets under sunlight irradiation	Rather R.A., Pooja D., Kumar P., Singh S., Pal B.	Journal of Cleaner Production	2018	36	11	Civil Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
Monitoring early-age setting of silica fume concrete using wave propagation techniques	Bhalla N., Sharma S., Sharma S., Siddique R.	Construction and Building Materials	2018	36	7	Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Performance and mechanism of dye extraction from aqueous solution using synthesized deep eutectic solvents	Kaur P., Rajani N., Kumawat P., Singh N., Kushwaha J.P.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018	36	15	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India; CSIR-Central Scientific Instruments Organisation, Chandigarh, 160030, India	Web of Science
Big Data Framework for Zero-Day Malware Detection	Gupta D., Rani R.	Cybernetics and Systems	2018	36	3	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Oxidative degradation of aliphatic carboxylic acids by photocatalysis with bare and Ag-loaded TiO ₂ under UV light irradiation	Prakash R., Rather R.A., Kaur M., Pal B.	Particulate Science and Technology	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Web of Science
Catalyst-coated cement beads for the degradation and mineralization of fungicide carbendazim using laboratory and pilot-scale reactor: catalyst stability analysis	Singh A., Verma A., Bansal P., Aggarwal K., Kaur T., Toor A.P., Sangal V.K.	Environmental Technology (United Kingdom)	2018	36	1	School of Energy and Environment, Thapar University, Patiala, India; SSB University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, India; Department of Chemical Engineering, Thapar University, Patiala, India	Web of Science
An untraceable and anonymous password authentication protocol for heterogeneous wireless sensor networks	Amin R., Islam S.K.H., Kumar N., Choo K.-K.R.	Journal of Network and Computer Applications	2018	36	22	Department of Chemical Engineering, Thapar University, Patiala, Punjab, India; School of Energy and Environment, Thapar University, Patiala, Punjab, India	Web of Science
Multiferroic properties of Sr-doped BiFeO ₃ nanoparticles	Dhir G., Uniyal P., Verma N.K.	Physica B: Condensed Matter	2018	36	7	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Feasibility of using combined TiO ₂ photocatalysis and RBC process for the treatment of real pharmaceutical wastewater	Talwar S., Sangal V.K., Verma A.	Journal of Photochemistry and Photobiology A: Chemistry	2018	36	19	Department of Science, Public College, Samana, 147 102, India; Nano Research Lab, School of Physics and Materials Science, Thapar University, Patiala, 147 004, India	Web of Science

Removal of emerging contaminants daidzein and coumestrol from water by nanozeolite beta modified with tetrasubstituted ammonium cation	Goyal N., Bulasara V.K., Barman S.	Journal of Hazardous Materials	2018	36	16	Department of Computer Science and Engineering, Dr. Shyama Prasad Mukherjee International Institute of Information Technology, Naya Raipur, India; Department of Computer Science and Engineering, Indian Institute of Information Technology Kalyani West Bengal 741235, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio, TX 78249, United States; Department of Electrical and Computer Engineering, The University of Texas at San Antonio, San Antonio, TX 78249, United States; School of Information Technology & Mathematical Sciences, University of South Australia SA 5095, Australia	Web of Science
Single image haze removal using integrated dark and bright channel prior	Singh D., Kumar V.	Modern Physics Letters B	2018	36	27	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Investigation of deterioration in corroding reinforced concrete beams using active and passive techniques	Sharma A., Sharma S., Sharma S., Mukherjee A.	Construction and Building Materials	2018	36	7	Civil Engineering Department, Thapar University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India; Civil Engineering Department, Curtin University, Bentley WA 6102, Australia	Web of Science
Coupling and cohesion metrics for object-oriented software: A systematic mapping study	Tiwari S., Rathore S.S.	ACM International Conference Proceeding Series	2018	36	2	DA-IICT, Gandhinagar, India; Thapar University, Patiala, India	Web of Science
Feature selection techniques to counter class imbalance problem for aging related bug prediction	Kumar L., Sureka A.	ACM International Conference Proceeding Series	2018	36	0	Thapar University, Patiala, Punjab, India; Ashoka University, Sonapat, Haryana, India	Web of Science
Interplay of charge clustering and weak binding in reactions of Li 8	Cook K.J., Carter I.P., Simpson E.C., Dasgupta M., Hinde D.J., Bezzina L.T., Kalkal S., Sengupta C., Simenel C., Swinton-Bland B.M.A., Vo-Phuoc K., Williams E.	Physical Review C	2018	36	8	Department of Nuclear Physics, Research School of Physics and Engineering, Australian National University, Canberra, ACT 2601, Australia; School of Physics and Material Sciences, Thapar University, Patiala, 147004, India	Web of Science
Superconductors	Bhadauria P.P.S., Gupta A., Kishan H., Narlikar A.V.	Comprehensive Energy Systems	2018	36	0	CSED, Thapar University, Patiala, India	Web of Science
Rule based sentiment analysis system for analyzing tweets	Rani S., Kumar P.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	36	1	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science

An efficient influence based label propagation algorithm for clustering large graphs	Bhatia V., Rani R.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Managing software product line using an ontological rule-based framework	Bhushan M., Goel S., Kumar A., Negi A.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala147004, India	Web of Science
An efficient algorithm for sampling of a single large graph	Bhatia V., Rani R.	2017 10th International Conference on Contemporary Computing, IC3 2017	2018	36	0	CSED, Thapar University, Patiala, Punjab, India; Department of Computer Science Engineerin, Bennett University, Greater Noida, U.P., India; Government of India, India	Web of Science
B ² FSE framework for high dimensional imbalanced data: A case study for drug toxicity prediction	Hooda N., Bawa S., Rana P.S.	Neurocomputing	2018	36	7	National Physical Laboratory (CSIR), New Delhi, India; Thapar Institute of Engineering and Technology, Patiala, India; UGC-DAE Consortium for Scientific Research, Indore, India	Web of Science
Punjabi document classification using vector evaluation method	Katnoria M., Singh V., Kumar R.	Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017	2018	36	2	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Machine learning techniques for bleeding detection in capsule endoscopy	Pannu H.S., Jarial P.	Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017	2018	36	1	Computer Science and Engineering Dept., Thapar University Patiala147004, India	Web of Science
Pragmatics of capacitive micromachined ultrasonic transducer	Sharma R., Agarwal R., Dubey A.K., Arora A.	2017 International Conference on Emerging Trends in Computing and Communication Technologies, ICETCCT 2017	2018	36	0	Electronics and Communication Engineering Department, Thapar University Patiala, Punjab, India	Web of Science
A highly sensitive Pt-doped ZnO based Ethanol sensor	Deshwal M., Arora A.	2017 International Conference on Emerging Trends in Computing and Communication Technologies, ICETCCT 2017	2018	36	0	Amity School of Engineering and Technology, New Delhi, India; Amity University Uttar Pradesh, Noida, India; Thapar University, Patiala, Punjab, India	Web of Science
Scattered context grammar in Hindi linguistics	Singla M., Kumar A.	IEEE International Conference on Information, Communication, Instrumentation and Control, ICICIC 2017	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science

Optimization of process parameters for improving drilling quality and machining performance of abrasive assisted drilling on AISI D2 steel	Kumar P., Singh G., Jain V., Gupta D.	Indian Journal of Engineering and Materials Sciences	2018	36	4	EIED, Thapar University, India	Web of Science
Multivariate analysis of wastewater quality of different rural human settlements in Punjab (India)	Cheema P.P.S., Reddy A.S., Garg L., Kaur D.	Environmental Engineering and Management Journal	2018	36	3	Department of Civil Engineering, Thapar University, Patiala, India	Web of Science
Offline Handwritten Numeral Recognition using Combination of Different Feature Extraction Techniques	Kumar M., Jindal M.K., Sharma R.K., Jindal S.R.	National Academy Science Letters	2018	36	2	Department of Electronics and Communication Engineering, Thapar University, Patiala, 147001, India	Web of Science
An experimental study on shear capacity of interfaces in recycled aggregate concrete	Waseem S.A., Singh B.	Structural Concrete	2018	36	8	Department of Electrical Engineering, GZS Campus College of Engineering & Technology, Bathinda, Punjab, India; Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India	Web of Science
A systemic review of meditation and psychophysiology	Kaur A., Singh M.	Indian Journal of Public Health Research and Development	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab, 147004, India	Web of Science
In vivo classification of human skin burns using machine learning and quantitative features captured by optical coherence tomography	Singla N., Srivastava V., Mehta D.S.	Laser Physics Letters	2018	36	9	School of Mathematics, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Effect of nano silica and silica fume on durability properties of high performance concrete	Nanda A.K., Bansal P.P., Kumar M.	International Journal of Civil Engineering and Technology	2018	36	1	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Interactive potential of genetic polymorphism in Xenobiotic metabolising and DNA repair genes for predicting lung cancer predisposition and overall survival in North Indians	Bhardwaj A., Bahl C., Sharma S., Singh N., Behera D.	Mutation Research - Genetic Toxicology and Environmental Mutagenesis	2018	36	1	Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Optimized Big Data Management across Multi-Cloud Data Centers: Software-Defined-Network-Based Analysis	Chaudhary R., Auja G.S., Kumar N., Rodrigues J.J.P.C.	IEEE Communications Magazine	2018	36	33	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Edge Computing in the Industrial Internet of Things Environment: Software-Defined-Networks-Based Edge-Cloud Interplay	Kaur K., Garg S., Auja G.S., Kumar N., Rodrigues J.J.P.C., Guizani M.	IEEE Communications Magazine	2018	36	69	Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science

An Expeditious Approach for the Synthesis of β -Carboline-Pyrazole-Based Molecular Hybrids	Singh D., Sharma P., Kumar R., Pandey S.K., Malakar C.C., Singh V.	Asian Journal of Organic Chemistry	2018	36	11	School of Energy and Environment, Thapar University, Patiala, Punjab 147004, India; Department of Biofuel, CSIR CMERI CoEFM, Ludhiana, Punjab 141006, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Making sleep study instrumentation more unobtrusive	Singh J., Sharma R.K.	IEEE Instrumentation and Measurement Magazine	2018	36	0	School of Energy and Environment, Thapar University Patiala147004, India; Department of Mechanical Engineering, Thapar University Patiala147004, India	Web of Science
A short review on: Optimization techniques of ZnO based thin film transistors	Vyas S.	Chinese Journal of Physics	2018	36	10	Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Statistical analysis of ST segments in ECG signals for detection of ischaemic episodes	Kumar A., Singh M.	Transactions of the Institute of Measurement and Control	2018	36	0	Department of ECE, Thapar University, Patiala, India	Web of Science
A Linear Programming Method Based on an Improved Score Function for Interval-Valued Pythagorean Fuzzy Numbers and Its Application to Decision-Making	Garg H.	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2018	36	40	Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Ambika Methods for Solving Matrix Games with Atanassov's Intuitionistic Fuzzy Payoffs	Verma T., Kumar A.	IEEE Transactions on Fuzzy Systems	2018	36	8	School of Physics & Materials Science, Thapar University, Patiala, Punjab 147004, India	Web of Science
Green synthesis of silver nanoparticles using sun dried tulsi leaves and its catalytic application for 4-Nitrophenol reduction	Singh J., Mehta A., Rawat M., Basu S.	Journal of Environmental Chemical Engineering	2018	36	20	ECED, Thapar University, Patiala, India	Web of Science
Nanofinishing of BK7 glass using a magnetorheological solid rotating core tool	Kumar S., Singh A.K.	Applied Optics	2018	36	2	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
An approach for functionally graded cladding of composite material on austenitic stainless steel substrate through microwave heating	Kaushal S., Gupta D., Bhowmick H.	Journal of Composite Materials	2018	36	8	Electronics and Communication Engineering Department, Thapar University, Patiala, India	Web of Science
Investigation of machining characterization for wire wear ratio & MRR on pure titanium in WEDM process through response surface methodology	Kumar A., Kumar V., Kumar J.	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2018	36	8	School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science
Certificateless searchable public key encryption scheme for industrial internet of things	Ma M., He D., Kumar N., Choo K.-K.R., Chen J.	IEEE Transactions on Industrial Informatics	2018	36	66	School of Humanities and Social Sciences (SHSS), Thapar University, P.O. Box 32, Patiala, 147004, India	Web of Science

On Development and Wear Behavior of Microwave-Processed Functionally Graded Ni-SiC Clads on SS-304 Substrate	Kaushal S., Gupta D., Bhowmick H.	Journal of Materials Engineering and Performance	2018	36	3	Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
Design of Secure User Authenticated Key Management Protocol for Generic IoT Networks	Wazid M., Das A.K., Odelu V., Kumar N., Conti M., Jo M.	IEEE Internet of Things Journal	2018	36	71	Shivalik Coolege of Engineering, Dehradun, 248 197, India; Thapar Institute of Engineering & Technology, Deemed University, Patiala, 147 004, India	Web of Science
Heat transfer and pressure drop performance of alumina–water nanofluid in a flat vertical tube of a radiator	Sokhal G.S., Gangacharyulu D., Bulasara V.K.	Chemical Engineering Communications	2018	36	4	Guru Nanak Dev Engineering College, Department of Civil Engineering, Ludhiana, Punjab 141006, India; Thapar University, School of Energy and Environment, Patiala, Punjab 147004, India; Giani Zail Singh PTU Campus, Department of Civil Engineering, Bathinda, Punjab, India	Web of Science
Production of biodiesel from unused algal biomass in Punjab, India	Karmakar R., Rajor A., Kundu K., Kumar N.	Petroleum Science	2018	36	4	Department of Civil Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India	Web of Science
Impact of Martensite Spatial Distribution on Quasi-Static and Dynamic Deformation Behavior of Dual-Phase Steel	Singh M., Das A., Venugopalan T., Mukherjee K., Walunj M., Nanda T., Kumar B.R.	Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science	2018	36	3	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India; Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi, 110016, India	Web of Science
Love wave propagation in vertical heterogeneous fiber-reinforced stratum imperfectly bonded to a micropolar elastic substrate	Kaur T., Kumar S., Singh A.K.	International Journal of Geomechanics	2018	36	1	Department of Biotechnology, Thapar University, Patiala, Punjab 147002, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education and Research (PGIMER), Sector 14, Chandigarh, India	Web of Science
Fuzzy rough set based energy management system for self-sustainable smart city	Sharma S., Dua A., Singh M., Kumar N., Prakash S.	Renewable and Sustainable Energy Reviews	2018	36	5	Punjab University, Thapar University, Patiala, India; National Institute of Technology, Kurukshetra, India	Web of Science
Influence of gaseous fuel induction on the various engine characteristics of a dual fuel compression ignition engine: A review	Rosha P., Dhir A., Mohapatra S.K.	Renewable and Sustainable Energy Reviews	2018	36	16	Dept. of Nanotechnology, Sri Guru Granth Sahib World University Punjab, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology Punjab, India	Web of Science
Electro-oxidation of Ofloxacin antibiotic by dimensionally stable Ti/RuO ₂ anode: Evaluation and mechanistic approach	Kaur R., Kushwaha J.P., Singh N.	Chemosphere	2018	36	23	Department of ECE, Thapar University, Patiala, India; Department of ECE, CCET, Chandigarh, India	Web of Science

An improved method for deceptive jamming against synthetic aperture radar	Joshi H.D., Kaur R., Singh A.K., Mishra A.	International Journal of Microwave and Wireless Technologies	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India; Department of Computer Science Engineering, School of Engineering and Applied Sciences, Bennett University, Greater Noida, Uttar Pradesh, India; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Effect of guar gum and salt concentrations on drag reduction and shear degradation properties of turbulent flow of water in a pipe	Sokhal K.S., Gangacharyulu D., Bulasara V.K.	Carbohydrate Polymers	2018	36	6	Mechanical Engineering Department, Thapar University, Patiala, Punjab, 147001, India; School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, 140001, India	Web of Science
Fabrication of spiral inter-digitated terminal (IDT) structure of electroplated gold on quartz substrate and progressive microplasma generation	Dutta S., Kapoor U., Kumar L., Bhardwaj A., Leeladhar, Gond V., Jain K.K., Bhan R.K.	Journal of Materials Science: Materials in Electronics	2018	36	0	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Electronics and Communication Engineering, Indian Institute of Technology, Roorkee, 247667, India	Web of Science
Network Selection in Wireless Heterogeneous Environment by C-P-F Hybrid Algorithm	Ahuja K., Singh B., Khanna R.	Wireless Personal Communications	2018	36	5	Department of Mathematics, G. G. D. S. D. College, Chandigarh, India; School of Mathematics, Thapar University, Patiala, India	Web of Science
Zadoff–Chu Sequence Based Timing Offset Estimation for OFDM Systems	Kaushal Y., Joshi H.D., Singh A.K., Mishra A., Gupta B.	Wireless Personal Communications	2018	36	0	Department of Mechanical Engineering, M. M. University, Mullana-Ambala, India; Department of Mechanical Engineering, Thapar University, Patiala, India; Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, India	Web of Science
Braunite phase embedded $Y_{2-x}O_{3-x}/MnO_{2-x}Al_{2-x}O_{3-x}/CaO-SiO_2$ glass ceramics and their properties	Bansal N., Kaur G., Singh K.	Materials Research Bulletin	2018	36	5	School of Mathematics and Statistics, Wuhan University, Wuhan, 430072, China; State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, 430072, China; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Information Systems and Cyber Security, University of Texas at San Antonio, San Antonio, TX 78249, United States	Web of Science
Correlation clustering methodologies and their fundamental results	Pandove D., Goel S., Rani R.	Expert Systems	2018	36	1	Mechanical Engineering Department, Thapar University, Patiala, 147004, India; CSIR-National Metallurgical Laboratory, Jamshedpur, 831007, India; Tata Steel Limited, Jamshedpur, 831001, India	Web of Science
Block-based image fusion using multi-scale analysis to enhance depth of field and dynamic range	Chaudhary V., Kumar V.	Signal, Image and Video Processing	2018	36	3	Guru Nanak College, Budhlada, 151502, India; School of Mathematics, Thapar Univ., Patiala, 147004, India; Dept. of Applied Mathematics, Indian School of Mines, Dhanbad, 826004, India	Web of Science

Optimal decision making for big data processing at edge-cloud environment: An SDN perspective	Aujla G.S., Kumar N., Zomaya A.Y., Ranjan R.	IEEE Transactions on Industrial Informatics	2018	36	43	Centre for Energy Studies, IIT Delhi, New Delhi, India; Department of Computer Science and Information Systems, BITS Pilani, Pilani, India; Electrical and Instrumentation Engineering Department, Thapar University, Patiala, India; Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
¹ H NMR assisted quantification of glycerol carbonate in the mixture of glycerol and glycerol carbonate	Kaur A., Prakash R., Ali A.	Talanta	2018	36	9	Department of Electronics and Communication Engineering, DAV Institute of Engineering and Technology, Jalandhar, Punjab, India; Department of Electronics and Communication Engineering, National Institute of Technology, Kurukshetra, Haryana, India; Electronics and Communication Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Potential heat transfer fluids (Nanofluids) for direct volumetric absorption-based solar thermal systems	Khullar V., Bhalla V., Tyagi H.	Journal of Thermal Science and Engineering Applications	2018	36	16	Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; School of Information Technologies, J12, University of Sydney, Sydney, NSW 2006, Australia; Department of Computer Science, Newcastle University, Newcastle upon Tyne, NE17RU, United Kingdom	Web of Science
Forecasting daily global solar irradiance generation using machine learning	Sharma A., Kakkar A.	Renewable and Sustainable Energy Reviews	2018	36	27	Department of Computer Applications, GZS Campus College of Engineering & Technology (Maharaja Ranjit Singh Punjab Technical University), Bathinda, Punjab, India; Department of Computer Science & Applications, Panjab, University Regional Centre, Muksar, Punjab, India; Department of Computer Science & Engineering, Thapar University, Patiala, Punjab, India; Computer Science & Engineering, Yadavindra College of Engineering, Talwandi Sabo, Bathinda, Punjab, India	Web of Science
Generalized and group-based generalized intuitionistic fuzzy soft sets with applications in decision-making	Garg H., Arora R.	Applied Intelligence	2018	36	66	Thapar University, India; National Institute of Telecommunications (Inatel), Instituto de Telecomunicações, Portugal; ITMO University, Russian Federation; University of Fortaleza, United States	Web of Science
Temperature-dependent modeling and performance analysis of coupled MLGMR interconnects	Rai M.K., Arora S., Kaushik B.K.	International Journal of Circuit Theory and Applications	2018	36	14	Department of Chemistry, Dr. B. R. Ambedkar National Institute of Technology (NIT), Jalandhar, Punjab 144011, India; School of Chemistry & Biochemistry, Thapar University, Patiala, Punjab 147004, India; Department of Chemistry, Banaras Hindu University (BHU), Varanasi, Uttar Pradesh 221005, India; Department of Chemistry, National Institute of Technology (NIT), Imphal, Manipur 795004, India	Web of Science

Some finite p -groups with central automorphism group of non-minimal order	Sharma M., Kalra H., Gumber D.	Journal of Algebra and its Applications	2018	36	0	Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; Department of Computer Convergence Software, Korea University, Sejong City, 30019, South Korea; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Mathematics, University of Padua, Padua, 35122, Italy	Web of Science
The influence of website functionality, drivers and perceived risk on customer satisfaction in online shopping: an emerging economy case	Tandon U., Kiran R., Sah A.N.	Information Systems and e-Business Management	2018	36	17	Solid State Physics Laboratory, DRDO, Lucknow Road, Timarpur, Delhi 110054, India; Electrical & Instrumentation Engineering Department, Thapar University, Patiala, Punjab 147004, India; Electrical Engineering Department, Y.M.C.A. University of Science and Technology, Faridabad, 121006, India	Web of Science
Production of producer gas from sugarcane bagasse and carpentry waste and its sustainable use in a dual fuel CI engine: A performance, emission, and noise investigation	Singh H., Mohapatra S.K.	Journal of the Energy Institute	2018	36	10	Thapar University, India; National Institute of Telecommunications (Inatel), Instituto de Telecomunicações, Portugal; ITMO University, University of Fortaleza (UNIFOR), Brazil; University of Idaho, United States	Web of Science
PAT: A precise reward scheme achieving anonymity and traceability for crowdcomputing in public clouds	Wang H., He D., Sun Y., Kumar N., Choo K.-K.R.	Future Generation Computer Systems	2018	36	5	School of Computer Science and Technology, Nanjing University of Posts and Telecommunications, Nanjing, China; State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, China; Jiangsu High Technology Research Key Laboratory for Wireless Sensor Network (NUPT), Nanjing, China; Department of Computer Science and Engineering, Thapar University, Patiala, India; Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio, TX 78249, United States; School of Information Technology and Mathematical Sciences, University of South Australia, Adelaide, SA 5001, Australia; School of Computer Science, China University of Geosciences, Wuhan, 430074, China	Web of Science
Linear antenna array synthesis using bat flower pollinator	Sharma S.K., Mittal N., Salgotra R., Singh U.	Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICII ECS 2017	2018	36	2	Department of Electronics and Communication, Thapar University, Patiala, India	Web of Science

An improved firefly algorithm for numerical optimization	Kaur K., Salgotra R., Singh U.	Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICIECS 2017	2018	36	1	Department of Electronics and Communication, Thapar University, Patiala, India	Web of Science
An enhanced grey Wolf optimizer for numerical optimization	Sharma S., Salgotra R., Singh U.	Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICIECS 2017	2018	36	6	Department of Electronics and Communication, Thapar University, Patiala, India	Web of Science
A novel modified bat algorithm for global optimization	Singh D., Salgotra R., Singh U.	Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICIECS 2017	2018	36	4	Dept. of Electronics and Communication, Chandigarh University, Mohali, India; Dept. of Electronics and Communication, Thapar University, Patiala, India	Web of Science
Sign language based SMS generator for hearing impaired people	Kaur R., Kumar P.	ICCIDS 2017 - International Conference on Computational Intelligence in Data Science, Proceedings	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Rule based anaphora resolution in Hindi	Singla D., Kumar P.	ICCIDS 2017 - International Conference on Computational Intelligence in Data Science, Proceedings	2018	36	1	Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
An investigation of double-glass-covered trapezoidal salt-gradient solar pond coupled with reflector	Dhindsa G.S., Mittal M.K.	International Journal of Green Energy	2018	36	1	Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Processing of polyethylene terephthalate fiber reinforcement to improve compatibility with constituents of GFRP nanocomposites	Singh K., Nanda T., Mehta R.	Materials and Manufacturing Processes	2018	36	9	Mechanical Engineering Department, Thapar University, Patiala, India; Chemical Engineering Department, Thapar University, Patiala, India	Web of Science
Critical temperature estimation of bulk and confined atomic fluid using vapour-liquid interfacial free energy	Singh S.K.	Molecular Simulation	2018	36	0	Department of Chemical Engineering, Thapar University, Patiala, India	Web of Science
Recycle option for metallurgical by-product (Spent Foundry Sand) in green concrete for sustainable construction	Siddique R., Singh G., Singh M.	Journal of Cleaner Production	2018	36	25	Civil Engineering Department, Thapar University, Patiala, 147004, India; University College of Engineering (UCOE), Punjabi University, Patiala, India; Additional Superintending Engineer/ Civil, Punjab State Power Corporation Limited, Patiala, India	Web of Science

A Novel Low Complexity Logic Encryption Technique for Design-for-Trust	Rathor V.S., Garg B., Sharma G.K.	IEEE Transactions on Emerging Topics in Computing	2018	36	5	Computer Science and Engineering, Atal Bihari Vajpayee Indian Institute of Information Technology and Management, 121807 Gwalior, Madhya Pradesh India (e-mail: vijaypal@iiitm.ac.in); Electronics and Communication Engineering, Thapar University, 29080 Patiala, Punjab India (e-mail: bgarg.iiitm@gmail.com); Computer Science and Engineering, Atal Bihari Vajpayee Indian Institute of Information Technology and Management, 121807 Gwalior, Madhya Pradesh India (e-mail: gksharma@iiitm.ac.in)	Web of Science
Fuel properties of blend and biodiesel generated from acid oil using whole cell biocatalyst	Sharma A., Melo J.S., Tejo Prakash N., Prakash R.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	36	3	Department of Biotechnology, Thapar University, Patiala, India; NA&BTD, Bhabha Atomic Research Centre, Mumbai, India; School of Energy & Environment, Thapar University, Patiala, India; School of Chemistry & Biochemistry, Thapar University, Patiala, India	Web of Science
Kinetic Isotope Effect Determination Probes the Spin of the Transition State, Its Stereochemistry, and Its Ligand Sphere in Hydrogen Abstraction Reactions of Oxoiron(IV) Complexes	Mandal D., Mallick D., Shaik S.	Accounts of Chemical Research	2018	36	23	Institute of Chemistry, Hebrew University of Jerusalem, Givat Ram Campus, Jerusalem, 91904, Israel; Computational Toxicology Facility, CSIR-Indian Institute of Toxicology Research, Lucknow, 226001, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147 004, India	Web of Science
Parametric optimization for the treatment of human urine metabolite, creatinine using electro-oxidation	Singla J., Verma A., Sangal V.K.	Journal of Electroanalytical Chemistry	2018	36	5	School of Energy and Environment, Thapar University, Patiala, Punjab, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
In-situ dual effect studies using novel Fe-TiO ₂ composite for the pilot-plant degradation of pentoxifylline	Bansal P., Verma A.	Chemical Engineering Journal	2018	36	14	School of Energy and Environment, Thapar University, Patiala, Punjab, India	Web of Science
Influence of nutrient components of media on structural properties of concrete during biocementation	Joshi S., Goyal S., Reddy M.S.	Construction and Building Materials	2018	36	12	Department of Biotechnology, Thapar University, Patiala, Punjab 147004, India; Department of Civil Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
A coalitional game-based integrated framework for optimal power allocation in multirelay cooperative environment	Lamba A.K., Kumar R., Sharma S.	International Journal of Communication Systems	2018	36	2	Electronics and Communication Engineering Department, Thapar University, Patiala, India	Web of Science

Efficient revocable ID-based encryption with cloud revocation server	Jia X., Kumar N., Choo K.-K.R., He D.	International Journal of Communication Systems	2018	36	0	School of Mathematics and Statistics, South-Central University for Nationalities, Wuhan, China; Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India; Department of Information Systems and Cyber Security, The University of Texas at San Antonio, San Antonio, United States; State Key Lab of Software Engineering, Computer School, Wuhan University, Wuhan, China; Guangxi Key Laboratory of Cryptography and Information Security, Guilin University of Electronic Technology, Gulin, China	Web of Science
Fraudulent Firm Classification: A Case Study of an External Audit	Hooda N., Bawa S., Rana P.S.	Applied Artificial Intelligence	2018	36	6	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Energy efficiency analysis of linear receivers for large antenna system in fading channels	Khetarpal A., Khanna R.	International Journal of Electronics Letters	2018	36	0	Electronics and Communication Engineering Department, Thapar University, Patiala, India	Web of Science
Comparative analysis of classification based algorithms for diabetes diagnosis using iris images	Samant P., Agarwal R.	Journal of Medical Engineering and Technology	2018	36	2	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Autonomic point cloud-based surface reconstruction using SVR	Jain K., Pannu H.S.	Imaging Science Journal	2018	36	1	Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
High-order IMEX-WENO finite volume approximation for nonlinear age-structured population model	Kumar S., Singh P.	International Journal of Computer Mathematics	2018	36	1	School of Mathematics, Thapar University, Patiala, India	Web of Science
Development of magnetorheological fluid-based process for finishing of ferromagnetic cylindrical workpiece	Bedi T.S., Singh A.K.	Machining Science and Technology	2018	36	8	Department of Mechanical Engineering, Thapar University, Patiala, India	Web of Science
Processing of Ni-WC-8Co MMC casting through microwave melting	Singh S., Gupta D., Jain V.	Materials and Manufacturing Processes	2018	36	5	Department of Chemical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India; Department of Mechanical Engineering, Thapar Institute of Engineering and Technology University, Patiala, India	Web of Science
Coding, evaluation, comparison, ranking and optimal selection of nanoparticles with heat transfer fluids for thermal systems	Sandhu H., Gangacharyulu D., Agrawal V.P.	Particulate Science and Technology	2018	36	1	Mechanical Engineering Department, The Northcap University, Gurgaon, Haryana, India; Mechanical Engineering Department, Thapar University, Patiala, Punjab, India	Web of Science
Migrating from data mining to big data mining	Bathla G., Aggarwal H., Rani R.	International Journal of Engineering and Technology(UAE)	2018	36	0	Thapar Institute of Engineering and Technology, Patiala, India	Web of Science

Comparative analysis of ICI-self-cancellation techniques in OFDM mobile communication system	Kaur T., Sahni P., Singla P., Kaur S.	Journal of Advanced Research in Dynamical and Control Systems	2018	36	0	Department of Computer Science and Engineering, Thapar university, Patiala, Punjab, India	Web of Science
Carbon dioxide sequestration on biocement-based composites	Reddy M.S., Joshi S.	Carbon Dioxide Sequestration in Cementitious Construction Materials	2018	36	2	Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India	Web of Science
Parametric study for the treatment of simulated cetirizine wastewater using electrochemical methods: Optimization and cost analysis	Agnihotri S., Kaur P., Sangal V.K., Garg A., Verma A.	Journal of the Electrochemical Society	2018	36	2	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Data prediction of optical head tracking using Self Healing Neural Model for head Mounted Display	Kataria A., Ghosh S., Karar V.	Journal of Scientific and Industrial Research	2018	36	1	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Noise barriers as an abatement strategy	Singh D., Nigam S.P., Agrawal V.P., Kumar M.	Journal of Scientific and Industrial Research	2018	36	0	Thapar University, Patiala, 147004, India	Web of Science
Streamed data analysis using adaptable bloom filter	Singh A., Batra S.	Computing and Informatics	2018	36	1	Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
RoVAN: A Rough Set-based Scheme for Cluster Head Selection in Vehicular Ad-hoc Networks	Dua A., Sharma P., Ganju S., Jindal A., Aujla G.S., Kumar N., Rodrigues J.J.P.C.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	2	CSED, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Beyond self to society and sustainability: Lesson in practical spirituality from sikhism	Ghuman K., Singh M.P.	Practical Spirituality and Human Development: Transformations in Religions and Societies	2018	36	0	CSED, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
An Internet of Things Tracking System Approach Based on LoRa Protocol	Da Silva W.R., Oliveira L., Kumar N., Rabelo R.A.L., Marins C.N.M., Rodrigues J.J.P.C.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	2	Department of Computer Science and Engineering, TIET, Patiala, 147001, India	Web of Science
DRUMS: Demand Response Management in a Smart City Using Deep Learning and SVR	Jindal A., Aujla G.S., Kumar N., Prodan R., Obaidat M.S.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	4	Mechanical Engineering Department, Thapar University Patiala, Patiala, India	Web of Science
QAIR: Quality Assessment Scheme for Information Retrieval in IoT Infrastructures	Makkar A., Kumar N., Obaidat M.S., Hsiao K.-F.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	0	Thapar University, Patiala, India	Web of Science
Adaptive Skip Graph Framework for Peer-to-Peer Networks: Search Time Complexity Analysis	Goyal A., Batra S., Kumar N., Aujla G.S., Obaidat M.S.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	0	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147004, India	Web of Science

Demand Response Management Using Lattice-Based Cryptography in Smart Grids	Desai S.K., Dua A., Kumar N., Das A.K., Rodrigues J.J.P.C.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	0	Mechanical Engineering Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
CR-NOMA Based Interference Mitigation Scheme for 5G Femtocells Users	Budhiraja I., Tyagi S., Tanwar S., Kumar N., Guizani M.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	4	Thapar University, Patiala, Punjab, 147004, India	Web of Science
LEASE: Lattice and ECC-Based Authentication and Integrity Verification Scheme in E-Healthcare	Dua A., Chaudhary R., Singh Aujla G., Jindal A., Kumar N., Rodrigues J.J.P.C.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	0	Thapar University, Patiala, Punjab, 147004, India	Web of Science
FS2RNN: Feature Selection Scheme for Web Spam Detection Using Recurrent Neural Networks	Makkar A., Obaidat M.S., Kumar N.	2018 IEEE Global Communications Conference, GLOBECOM 2018 - Proceedings	2018	36	1	Thapar Institute of Engineering and Technology, Patiala, 147 003, India	Web of Science
A Proposed Pharmacogenetic Solution for IT-Based Health Care	Toor R., Chana I.	Lecture Notes in Networks and Systems	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, India	Web of Science
Numerical study of nanofluid-based solar collector for humidification-dehumidification (HDH) desalination	Garg K., Khullar V., Das S.K., Tyagi H.	ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)	2018	36	3	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147001, India	Web of Science
FingerPrint based duplicate detection in streamed data	Singh A., Batra S.	Computing and Informatics	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147 001, India	Web of Science
Laboratory analysis of Marshall parameters of dense bituminous macadam mix using waste materials	Bansal S., Misra A.K., Chopra T., Bajpai P.	International Journal of Environmental Technology and Management	2018	36	2	Computer Science and Engineering Department (CSED), Thapar Institute of Engineering and Technology, Patiala, Punjab 147001, India	Web of Science
Reduction of switching transients in CC/CV mode of electric vehicles battery charging	Arora S., Singh M.	IET Conference Publications	2018	36	0	School of Humanities and Social Sciences (SHSS), Thapar University, P.O. Box 32, Patiala, 147004, India	Web of Science
Properties and characteristics of various materials used as Biofuels: A review	Goga G., Chauhan B.S., Mahla S.K., Cho H.M., Dhir A., Lim H.C.	Materials Today: Proceedings	2018	36	2	Thapar University, Patiala, Punjab, 147004, India	Web of Science
On the development and characterization of microwave processed Ni + 30% SiC based composite clads	Kaushal S., Singh D., Gupta D., Bhowmick H.	Materials Today: Proceedings	2018	36	0	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Numerical modelling of thermal energy storage using phase change materials: Energy efficient buildings application	Salvi S.S., Garg K., Bhalla V., Khullar V., Tyagi H.	International Conference on Computational Methods for Thermal Problems	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, 147004, India	Web of Science

Thermal performance of direct absorption solar collector based single stage flashing desalination system	Garg K., Salvi S.S., Bhalla V., Khullar V., Das S.K., Tyagi H.	International Conference on Computational Methods for Thermal Problems	2018	36	0	Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science
Ensemble technique based on supervised and unsupervised learning approach for intrusion detection	Kaur S., Garg I.	Communications in Computer and Information Science	2018	36	0	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India	Web of Science
Extreme gradient boosting based tuning for classification in intrusion detection systems	Bansal A., Kaur S.	Communications in Computer and Information Science	2018	36	10	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India	Web of Science
An efficient hybrid approach using misuse detection and genetic algorithm for network intrusion detection	Rajpal R., Kaur S.	Communications in Computer and Information Science	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Pdd algorithm for balancing medical data	Kalra K., Goyal R., Kaur S., Kumar P.	Communications in Computer and Information Science	2018	36	0	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India	Web of Science
Physical model reduction of a parallel and hybrid manipulator using eigenvalue sensitivity method	Arora R., Bera T.K.	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering	2018	36	3	Mechanical Engineering Department, Thapar University, Patiala, 147001, India	Web of Science
Organizational justice and its relationship with organizational citizenship behavior of non-academic staff members at government Universities in North of Jordan	Ajlouni W.M.E., Kaur G., Al-Gharaibeh S.	Academy of Strategic Management Journal	2018	36	0	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
The role of marketing intelligence in brand positioning: Perspective of marketing professionals	Kanwal S., Samalia H.V., Singh G.	Brand Culture and Identity: Concepts, Methodologies, Tools, and Applications	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, 147004, India	Web of Science
Branding and brand management: Case of Amul	Sharma A.	Brand Culture and Identity: Concepts, Methodologies, Tools, and Applications	2018	36	0	LM Thapar School of Management, Thapar Institute of Engineering and Technology, Dera Bassi, India	Web of Science
Effect of annealing on tungsten oxide thin films for acetone gas detection	Sachdeva S., Agarwal R., Agarwal A.	Bulletin of Materials Science	2018	36	3	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Pairwise error probability analysis of low density parity check coded asynchronous distributed space time block codes	Sood V.V., Sharma S., Khanna R.	Elektronika ir Elektrotechnika	2018	36	1	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab 147004, India	Web of Science
IEEE Access Special Section Editorial: Research Challenges and Opportunities in Security and Privacy of Blockchain Technologies	He D., Choo K.-K.R., Kumar N., Castiglione A.	IEEE Access	2018	36	0	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	Web of Science

An Investigation on Leaching Characteristics for Indian Bottom Ash	Singh G., Kumar S., Mohapatra S.K.	Materials Today: Proceedings	2018	36	0	Computer Science and Engineering Department Thapar University, Patiala, Punjab, 147004, India	Web of Science
Effect of Natural Surfactant on the Rheological Characteristics of Heavy Crude Oil	Kumar P., Kumar S., Singh J.	Materials Today: Proceedings	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Optimization of Erosion Wear Influencing Parameters of HVOF Sprayed Pumping Material for Coal-Water Slurry	Singh J., Kumar S., Mohapatra S.K.	Materials Today: Proceedings	2018	36	0	School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
Comparative study of different sarcasm detection algorithms based on behavioral approach	Ahuja R., Bansal S., Prakash S., Venkataraman K., Banga A.	Procedia Computer Science	2018	36		Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India	Web of Science
MVO Algorithm Based LFC Design of a Six-Area Hybrid Diverse Power System Integrating IPFC and RFB	Sharma M., Bansal R.K., Prakash S., Asefi S.	IETE Journal of Research	2018	36	0	Thapar University, Department of Electronics and Communication Engineering, Patiala, India	Web of Science
Omega automata and its classes	Singh N., Kumar A.	Current Science	2018	36	0	Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Stereostratum corticioides (Berk. & Broome) H. Magn. rust on Phyllostachys bambusoides Siebold & Zucc. from Arunachal Pradesh, India	Tangjang S., Reddy M.S., Suryanarayanan T.S., Taka T.	Current Science	2018	36	1	Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
A new illumination normalization framework via homomorphic filtering and reflectance ratio in DWT domain for face recognition	Yadav J., Rajpal N., Mehta R.	Journal of Intelligent and Fuzzy Systems	2018	36	4	School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, India; Department of Chemical Engineering, Thapar Institute of Engineering and Technology Patiala, India	Web of Science
Mehar ranking method for comparing connection numbers and its application in decision making	Singh A., Kumar A., Appadoo S.S.	Journal of Intelligent and Fuzzy Systems	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology Patiala, Punjab, India	Web of Science
HEAP: An Efficient and Fault-Tolerant Authentication and Key Exchange Protocol for Hadoop-Assisted Big Data Platform	Chattaraj D., Sarma M., Das A.K., Kumar N., Rodrigues J.J.P.C., Park Y.	IEEE Access	2018	36	6	Department of Electronics and Communication, Thapar University, Patiala, India	Web of Science
A size-dependent micropolar-piezoelectric layered structure for the analysis of love wave	Goyal R., Kumar S., Sharma V.	Waves in Random and Complex Media	2018	36	2	School of Physics and Material Science, Thapar University, Patiala, Punjab 147004, India	Web of Science
Improving recommendation techniques by deep learning and large scale graph partitioning	Bathla G., Aggarwal H., Rani R.	International Journal of Advanced Computer Science and Applications	2018	36	1	Department of Computer Science & Engineering, Thapar University, Patiala, India	Web of Science

Obesity prediction using ensemble machine learning approaches	Jindal K., Baliyan N., Rana P.S.	Advances in Intelligent Systems and Computing	2018	36	3 Thapar University, Patiala, India	Web of Science
Self-agglomerated crystalline needles harnessing ES IPT and AIEE features for the 'turn-on' fluorescence detection of Al ³⁺ ions	Puri P., Kumar G., Paul K., Luxami V.	New Journal of Chemistry	2018	36	4 Thapar University, Patiala, India	Web of Science
A concise asymmetric synthesis of (-)-trans-aerangis lactone	Pandey R., Prakash R.	Canadian Journal of Chemistry	2018	36	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
Role on nanofluids in cooling solar photovoltaic cell to enhance overall efficiency	Suresh A.K., Khurana S., Nandan G., Dwivedi G., Kumar S.	Materials Today: Proceedings	2018	36	7 Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India	Web of Science
On central tendencies of the parts in certain restricted partitions	Goyal M., Rana M.	Mathematical Reports	2018	36	0 Department of Mechanical Engineering, Thapar Institute of Engineering & Technology, Patiala, Punjab 147004, India	Web of Science
Intelligent face recognition system for visually impaired	Goyal R., Kalra K., Kumar P., Kaur S.	Communications in Computer and Information Science	2018	36	0 Laboratory of Nanomedicine, School of Physics and Materials Science, Thapar University, Patiala, Punjab, India	Web of Science
Hand gesture recognition using Gaussian threshold and different SVM kernels	Sharma S., Modi S., Rana P.S., Bhattacharya J.	Communications in Computer and Information Science	2018	36	0 Department of Chemical Engineering, Thapar University, Patiala, India	Web of Science
Study on drivers of online shopping and significance of cash-on-delivery mode of payment on behavioural intention	Tandon U., Kiran R.	International Journal of Electronic Business	2018	36	2 Department of Computer Science and Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Thapar University, Patiala, India	Web of Science
Design of p-type transparent conducting oxides Sn ₂ /GeO ₄ by an ab initio evolutionary structure search	Yu J., Wang J., Kumar M., Umezawa N., Abe H.	Journal of Materials Chemistry C	2018	36	3 School of Mathematics, Thapar Institute of Engineering and Technology (Deemed University), Patiala, Punjab 147004, India	Web of Science
A robust and efficient bilinear pairing based mutual authentication and session key verification over insecure communication	Amin R., Hafizul Islam S.K., Vijayakumar P., Khan M.K., Chang V.	Multimedia Tools and Applications	2018	36	5 Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Interval-valued pythagorean fuzzy maclaurin symmetric mean operators in multiple attribute decision making	Wei G., Garg H., Gao H., Wei C.	IEEE Access	2018	36	51 Computer Science and Engineering Department, Thapar University, Punjab, 147004, India	Web of Science
Performance enhancement of solar photovoltaic cooling using water sprinkler	Nasir N.N.M., Singh B., Bakar R.A., Remeli M.F., Nanggar A., Oberoi A.	International Journal of Engineering and Technology(UAE)	2018	36	0 Optical Fiber Communication Research laboratory (OFCR Lab), ECE Department, Thapar University, Patiala, Punjab 147004, India	Web of Science

Prediction of online perceived service quality using spider monkey optimisation	Agrawal V., Bhakar S., Rana P.S., Tiwari D.C.	World Review of Science, Technology and Sustainable Development	2018	36	0	Thapar University, Patiala Punjab, 147004, India	Web of Science
Slurry Erosion Behaviour of Pack Boronized 13-4 Martensitic Stainless Steel for Hydro Turbine Blades	Nath G., Kumar S.	Materials Today: Proceedings	2018	36	1	ECED, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, India	Web of Science
Microstructural considerations on SH-wave propagation in a piezoelectric layered structure	Goyal R., Kumar S., Sharma V.	Journal of Theoretical and Applied Mechanics (Poland)	2018	36	5	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, India	Web of Science
Parametric optimization for nano-finishing of the external cylindrical surfaces using rotating core magnetorheological finishing process	Singh M., Singh A.K.	ASME 2018 13th International Manufacturing Science and Engineering Conference, MSEC 2018	2018	36	0	Department of Electronics and Communication Engineering, Thapar University, Patiala, 147002, India; Department of Civil Engineering, Thapar University, Patiala, 147002, India	Web of Science
Effect of surfactants on the structure and adsorption efficiency of hydroxyapatite nanorods	Sharma M., Mishra A., Mehta A., Choudhury D., Basu S.	Journal of Nanoscience and Nanotechnology	2018	36	4	Thapar University Punjab, India	Web of Science
Shape simulation of solid particles by digital interpretations of scanning electron micrographs using IPA technique	Singh J., Kumar S., Mohapatra S.K., Kumar S.	Materials Today: Proceedings	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Micromechanical interactions and their relation to stress field for different classes of reinforced polymer composites	Jain D., Vats S., Kumar Bera T.	Materials Today: Proceedings	2018	36	0	Thapar University, Patiala to Thapar Institute of Engineering and Technology, Deemed University, Patiala, India	Web of Science
Characterization of Iron-ore suspension at In-situ conditions	Singh M., Kumar S., Kumar S., Nandan G., Gupta M.	Materials Today: Proceedings	2018	36	1	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
Moisture diffusion along the layered fibre matrix composites with different fibre orientations	Vats S., Jain D., Kumar Bera T.	Materials Today: Proceedings	2018	36	0	School of Mathematics, Thapar University Patiala, Punjab, 147004, India	Web of Science
Life span and overall performance enhancement of Solar Photovoltaic cell using water as coolant: A recent review	Sharma R., Gupta A., Nandan G., Dwivedi G., Kumar S.	Materials Today: Proceedings	2018	36	4	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, 147004, India	Web of Science
SANSUNL: A Sanskrit to UNL Enconverter System	Sitender, Bawa S.	IETE Journal of Research	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
A sensitization studies on the metallurgical and corrosion behavior of AISI 304 SS welds	Kumar M., Sharma A., Shahi A.S.	Lecture Notes in Mechanical Engineering	2018	36	1	Department of Electrical & Instrumentation Engineering, Thapar University, Patiala, India	Web of Science

On processing of Ni–WC8Co-based composite clads on austenitic stainless steel through microwave energy	Singh D., Kaushal S., Gupta D., Bhowmick H.L., Jain V.	Lecture Notes in Mechanical Engineering	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Investigations on fabrication techniques of aluminium-based porous material	Singh D., Mittal A., Jain V., Gupta D., Singla V.K.	Lecture Notes in Mechanical Engineering	2018	36	0	Wireless Network and Mobile Computing Group, CSED, Thapar University, Patiala, 147001, India	Web of Science
Tool wear analysis while creating blind holes on float glass using conventional drilling: A multi-shaped tools study	Sharma A., Jain V., Gupta D.	Lecture Notes in Mechanical Engineering	2018	36	0	Thapar University, Computer Science and Engineering Department, Patiala, 147004, India, India	Web of Science
A novel wineglass shaped wide band antenna for TV white space communication	Raza G.A., Saini G., Kumar N.	International Journal of Engineering and Technology(UAE)	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
A novel compact MIMO Planar inverted-F Antenna (PIFA) for future 5G wireless devices	Loharia N., Rana S.B., Kumar N.	International Journal of Engineering and Technology(UAE)	2018	36	0	Optical Fiber Communication Research Laboratory (OFCR Lab), ECE Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Handling User Cold Start Problem in Recommender Systems Using Fuzzy Clustering	Gupta S., Goel S.	Lecture Notes in Networks and Systems	2018	36	6	Computer Science and Engineering Department, Thapar University, Patiala Punjab, India	Web of Science
Analytical Model of Gate to Channel Capacitance for Nanoscale MOSFETs	Chatterjee A.K., Prasad B.	IETE Journal of Research	2018	36	0	CSED, Thapar University, Patiala, India	Web of Science
Linear despeckle approach for ultrasound carotid artery images	Gupta R., Pachauri R., Singh A.	Journal of Intelligent and Fuzzy Systems	2018	36	1	Research Scholar Optical Fiber Communication Research Laboratory, Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, 147001, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, 147001, India	Web of Science
Design and analysis of a compact WiMAX and WLAN band notched planar monopole antenna for UWB and bluetooth applications	Singh H.S., Kalraiya S.	International Journal of RF and Microwave Computer-Aided Engineering	2018	36	2	School of Mathematics, Thapar Institute of Engineering and Technology, Deemed University, Patiala, Punjab, 147004, India	Web of Science
Group decision making approach based on possibility degree measures and the linguistic intuitionistic fuzzy aggregation operators using Einstein norm operations	Garg H., Kumar K.	Journal of Multiple-Valued Logic and Soft Computing	2018	36	14	Thapar University, Department of Computer Science and Engineering, Patiala, India	Web of Science
3D representation and CNC machining of 2D digital images	Sood S., Duvedi R.K., Bedi S., Mann S.	Procedia Manufacturing	2018	36	0	CSED, Thapar University, Patiala, 147004, India	Web of Science
Estimating the determinants of public private partnerships in infrastructure: The case of India	Chotia V., Muralidhar Rao N.V.	International Journal of Critical Infrastructures	2018	36	0	Department of Mechanical Engineering, Thapar University Punjab, India	Web of Science

Effect of mutual funds characteristics on their performance and trading strategy: A dynamic panel approach	Kaur I.	Cogent Economics and Finance	2018	36	1	Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Experimental investigations on the cooling performance of microchannels using alumina nanofluids with different base fluids	Sandhu H., Gangacharyulu D., Singh M.K.	Journal of Enhanced Heat Transfer	2018	36	9	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
KSRMF: Kernelized similarity based regularized matrix factorization framework for predicting anti-cancer drug responses	Sharma A., Rani R.	Journal of Intelligent and Fuzzy Systems	2018	36	3	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Multiple peaks in gel permeation chromatographs of poly(l-lactide)	Kaur P., Mehta R., Berek D.	Asian Journal of Chemistry	2018	36	0	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, India	Web of Science
A novel correlation coefficient of intuitionistic fuzzy sets based on the connection number of set pair analysis and its application	Garg H., Kumar K.	Scientia Iranica	2018	36	15	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147004, India; School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science
Enhanced antibacterial activity of endo-nortropine substituted (C-7) fluoroquinolones against V. cholerae, S. aureus and B. subtilis	Salunke R.A., Sidhu C., Kumar A., Pinnaka A.K., Bansal B.R., Chhibber M.	Letters in Drug Design and Discovery	2018	36	1	Department of Chemical Engineering, Thapar University, Bhadson Road, Patiala, Punjab 147004, India; School of Chemistry and Biochemistry, Thapar University, Bhadson Road, Patiala, Punjab 147004, India	Web of Science
Participation of nucleons among different harmonics of anisotropic flow	Deepshikha, Kumar S.	Canadian Journal of Physics	2018	36	4	Mechanical Engineering Department, Thapar University, Patiala, Punjab 147004, India; School of Physics and Materials Science, Thapar University, Patiala, Punjab 147004, India	Web of Science
Determination of pressure drop characteristics of fly ash suspension with additive for hydraulic transportation	Kumar S.	Journal of Applied Fluid Mechanics	2018	36	0	School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
Adaptive ball drop algorithm for toolpath generation of axisymmetric triangulated parts to eliminate overcutting	Jawanda A.S., Batish A., Bedi S.	International Journal of Advanced Manufacturing Technology	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, 147004, India	Web of Science
Naive Bayes classifier for word sense disambiguation of Punjabi Language	pal Singh V., Kumar P.	Malaysian Journal of Computer Science	2018	36	3	Computer Science and Engineering Department, Thapar University, Patiala, Punjab 147004, India	Web of Science
A note on "fuzzy Hungarian MODI algorithm to solve fully fuzzy transportation problems"	Mishra A., Kumar A., Khan M.A.	Journal of Intelligent and Fuzzy Systems	2018	36	1	Department of Mechanical Engineering, Thapar University, Patiala, 147004, India	Web of Science
Learning regression problems by using classifiers	Ahmad A., Khan S.S., Kumar A.	Journal of Intelligent and Fuzzy Systems	2018	36	0	Department of Computer Science & Engineering, Thapar University, Patiala, Punjab, India	Web of Science

Functional role of cyclinD1 polymorphism (G870A) in modifying susceptibility and overall survival of North Indian lung cancer patients	Pandey A., Bahl C., Sharma S., Singh N., Behera D.	Tumori	2018	36	3 Thapar University, Patiala, Punjab, India	Web of Science
Digital and traditional tools for communicating corporate social responsibility: A literature review	Tomaselli G., Melia M., Garg L., Gupta V., Xuereb P., Buttigieg S.	Corporate Social Responsibility: Concepts, Methodologies, Tools, and Applications	2018	36	0 School of Mathematics, Thapar University, Patiala, Punjab 147004, India	Web of Science
Assimilation of optimal sized hybrid photovoltaic-biomass system by dragonfly algorithm with grid	Ghosh S., Karar V.	Energies	2018	36	1 LMT School of Management, Thapar University, Patiala, Punjab, India; School of Mathematics, Thapar University, Patiala, Punjab, India	Web of Science
Multi-optimisation of electric discharge machining parameters for cryogenically treated pure titanium using grey-Taguchi technique	Kumar S., Singh R., Batish A., Singh T.P., Singh R.	International Journal of Machining and Machinability of Materials	2018	36	0 Thapar University, Patiala, Punjab 147004, India	Web of Science
Non-self mappings under common limit range property in symmetric spaces and fixed points	Chandok S., Kumar D.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2018	36	0 Thapar University, Optical Fiber Communication and Research Lab, Department of Electronics and Communication, Nabha Road, Patiala, 147004, India	Web of Science
Revisiting the asset pricing paradigm using sustainable growth rate	Arora L., Kumar S., Verma P.	International Journal of Economics and Business Research	2018	36	0 Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Donor- π -acceptor (D- π -A) dyad for ratiometric detection of Hg ²⁺ and PPI	Rani R., Kumar G., Paul K., Luxami V.	New Journal of Chemistry	2018	36	4 Punjabi University Patiala, India; Thapar University Patiala, India	Web of Science
Implementation of a logic gate by chemically induced nitrogen and oxygen rich C-dots for the selective detection of fluoride ions	Kainth S., Mehta A., Mishra A., Basu S.	New Journal of Chemistry	2018	36	3 Department of Electronics and communication Engineering, Thapar University, Patiala, Punjab, India; Department of Electronics and communication Engineering, Chandigarh Engineering CollegePunjab, India	Web of Science
Insulin therapy for diabetes epidemic: A patent review	Tandon R., Luxami V., Dosanjh H.S., Tandon N., Paul K.	Current Drug Delivery	2018	36	3 Department of Chemical Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Department of Chemical Engineering, Malaviya National Institute of Technology, Jaipur, India; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Efficient wavelet families for ECG classification using neural classifiers	Singh R., Mehta R., Rajpal N.	Procedia Computer Science	2018	36	6 Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Optics Devices and Systems, CSIR-CSIO, Chandigarh, 160030, India	Web of Science

Estimation of severity level of non-proliferative diabetic retinopathy for clinical aid	Kaur J., Mittal D.	Biocybernetics and Biomedical Engineering	2018	36	Mechanical Engineering Department, Thapar Institute, of Engg and Technology, Patiala, India; Mechanical Engineering Department, North Cap University, Gurugram, India; Civil Engineering Department, Thapar Institute of Engg and Technology, Patiala, India	4	Web of Science
Low-voltage highly linear floating gate MOSFET based source degenerated OTA and its applications	Dubey T., Pandey R.	Informacije MIDE M	2018	36	LM Thapar School of Management, Thapar Institute of Engineering and Technology, (Deemed to be University), Thapar University, Dera Bassi campus, Patiala, Punjab, India; Shiromani Akali Dal (SAD), Chandigarh, India	2	Web of Science
Detection of lung cancer with the fusion of computed tomography and positron emission tomography	Kaur J., Pancholi S., Joshi A.M.	Communications in Computer and Information Science	2018	36	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, 140001, India; Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India	0	Web of Science
Non-ideal modelling and IMC based PID Controller Design of PWM DC-DC Buck Converter	Siddhartha V., Hote Y.V., Saxena S.	IFAC-PapersOnLine	2018	36	School of Mechanical, Materials and Energy Engineering Indian Institute of Technology Ropar, Rupnagar, Punjab, India; Mechanical Engineering Department Thapar University, Patiala, Punjab, India	6	Web of Science
PI Controller Based Load Frequency Control Approach for Single-Area Power System Having Communication Delay	Saxena S., Hote Y.V.	IFAC-PapersOnLine	2018	36	School of Mechanical, Materials and Energy Engineering, Indian Institute of Technology Ropar, Rupnagar, Punjab, India; Mechanical Engineering Department, Thapar University, India	5	Web of Science
A novel framework for reliable network prediction of small scale wireless sensor networks (SSWSNs)	Sandhu J.K., Verma A.K., Rana P.S.	Fundamenta Informaticae	2018	36	Thapar Institute of Engineering and Technology, Deemed University, India; Abbulrahman Bin Faisal University, Saudi Arabia	3	Web of Science
Improving the Accuracy of Recommender Systems Through Annealing	Arora S., Goel S.	Lecture Notes in Networks and Systems	2018	36	Thapar University, India; Rajiv Gandhi Indian Institute of Management, India	2	Web of Science
GO mediated TiO ₂ nanotube electrode for the photoelectrocatalytic degradation of pentachlorophenol	Rajput H., Dhir A., Sangal V.K.	Journal of the Electrochemical Society	2018	36	Thapar University, Patiala, 147001, India; CSIR - Central Electronics Engineering Research Institute, Pilani, 333031, India	5	Web of Science
A note on “novel single-valued neutrosophic aggregated operators under frank norm operation and its application to decision-making process”	Mishra A.	International Journal for Uncertainty Quantification	2018	36	Jaypee Institute of Information Technology, Noida, 201301, India; Thapar Institute of Engineering and Technology, Patiala, 147004, India	1	Web of Science
Digital image copy-move forgery detection based on discrete fractional wavelet transform	Lamba A.K., Jindal N., Sharma S.	Turkish Journal of Electrical Engineering and Computer Sciences	2018	36	University School of Information and Communication Technology, Guru Gobind Singh Indraprastha University, Dwarka sector 16C, New Delhi, India; Computer Science Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	1	Web of Science

An effective approach of secured medical image transmission using encryption method	Gupta R., Pachauri R., Singh A.K.	MCB Molecular and Cellular Biomechanics	2018	36	2	School of Mathematics, Thapar Institute of Engineering and Technology (Deemed to Be University), P.O Box 32, Patiala, Punjab, 147004, India; Department of Supply Chain Management, University of Manitoba, 630 Drake Centre - 181 Freedman Crescent, Winnipeg, MB, Canada	Web of Science
Strong Decays and Coupling Constants of 1P and 1D Bottom Meson	Gupta P., Upadhyay A.	Springer Proceedings in Physics	2018	36	0	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mathematics, Lovely Professional University, Phagwara, Punjab, India	Web of Science
A Proof- of-Principle for Time of Flight-Positron Emission Tomography Imaging	Ganai R., Mehta S., Shiroya M., Mondal M., Ahammed Z., Chattopadhyay S.	Springer Proceedings in Physics	2018	36	0	Department of Computer Engineering, Punjabi University, Patiala, India; Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Development of 6-Gap Bakelite Multi-gap Resistive Plate Chamber (MRPC)	Ganai R., Mondal M., Mehta S., Ahammed Z., Chattopadhyay S.	Springer Proceedings in Physics	2018	36	0	ME Department, Amity University, Uttar Pradesh, Noida, India; ME Department, Thapar University, Patiyala, Punjab, India	Web of Science
An empirical analysis for predicting source code file reusability using meta-classification algorithms	Kaur L., Mishra A.	Advances in Intelligent Systems and Computing	2018	36	0	I.K. Gujral Punjab Technical University Jalandhar, Department of Mathematical Sciences, Main Campus, Kapurthala, 144603, India; Thapar University School of Mathematics, Patiala, 147001, India	Web of Science
Person identification with pose and identification of known associates	Singh A.	Advances in Intelligent Systems and Computing	2018	36	0	Chandigarh University, Mohali, Punjab Gharuan, India; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Nature-inspired optimization techniques in VANETs and FANETs: A survey	Kaur P., Singh A.	Advances in Intelligent Systems and Computing	2018	36	5	Faculty of Mechanical Engineering, Universiti Teknologi MARA, Shah Alam, Selangor, 40450, Malaysia; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Hesitant Pythagorean fuzzy sets and their aggregation operators in multiple attribute decision-making	Garg H.	International Journal for Uncertainty Quantification	2018	36	38	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mathematics, Lovely Professional University, Phagwara, Punjab, India	Web of Science
Problems and prospects of Indian MSMEs: A literature review	Singh D., Khamba J.S., Nanda T.	International Journal of Business Excellence	2018	36	1	ME Department, Amity University, Uttar Pradesh, Noida, India; ME Department, Thapar University, Patiyala, Punjab, India	Web of Science
Energy aware resource allocation for clouds using two level ant colony optimization	Kumar A., Kumar R., Sharma A.	Computing and Informatics	2018	36	2	Mechanical Engineering Department, Thapar University, Patiala, 147001, India; Mechanical Engineering Department, SLIET University, Longowal, 148106, India	Web of Science
Mediating role of process simplification in process integration and upstream supply chain flexibility	Goyal G., Samalia H.V., Verma P.	International Journal of Productivity and Performance Management	2018	36	2	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India; Department of Mechanical and Automobile Engineering, Guljar Group of Institutes, Ludhiana, India	Web of Science

Dispersion of rayleigh waves in a microstructural couple stress substrate loaded with liquid layer under the effects of gravity	Sharma V., Kumar S.	Archives of Acoustics	2018	36	Guru Nanak Dev University, Punjab, India; Thapar Institute of Engineering and Technology, Deemed University, Punjab, India	Web of Science
Effect of process parameters on shrinkage of acrylonitrile butadiene styrene parts fabricated by 3D printing process	Singh S., Rajpoot R., Bedi V., Vats S., Srivastava V.	Springer Proceedings in Physics	2018	36	Department of Electronics and Communication, Jaypee University of Engineering and Technology, Raghogarh, Guna (M.P.), 473226, India; Department of Computer Science, Jaypee University of Engineering and Technology, Raghogarh, Guna (M.P.), India; Department of Electronics and Communication, Thapar Institute of Engineering and Technology University, Patiala, India	Web of Science
Nanoantibiotics: strategic assets in the fight against drug-resistant superbugs	Khurana C., Chudasama B.	International journal of nanomedicine	2018	36	Department of Electronics and Communication Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab 147 004, India; Department of Electronics Engineering, Indian Institute of Technology (ISM), Dhanbad, Jharkhand 826004, India	Web of Science
Low temperature synthesis of elongated triangular bipyramidal ZnO nanostructures for photocatalytic activity	Singh G., Panday S., Rawat M., Kukkar D., Kumar S., Basu S.	Journal of Nano Research	2018	36	Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; University of Waterloo, Waterloo, ON N2M3G1, Canada	Web of Science
QoS-aware routing in wireless networks using Aerial vehicles	Sharma V., Srinivasan K.	Journal of Internet Technology	2018	36	LM Thapar School of Management, Derabassi Campus, Thapar Institute of Engineering and Technology (Deemed-to-be-University), Derabassi-140507, Mohali, Punjab, India; Department of Economics and Finance, 6165-N, New Academic Block, Birla Institute of Technology and Science, Pilani, Rajasthan, India	Web of Science
Automated high resolution full-field spatial coherence tomography for quantitative phase imaging of human red blood cells	Singla N., Dubey K., Srivastava V., Ahmad A., Mehta D.S.	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	2018	36	Chandigarh University, Mohali, Punjab 140413, India; Thapar Institute of Engineering and Technology, Patiala, Punjab 147001, India	Web of Science
Thermally induced 1D to 2D polymer conversion accompanied by major packing changes in single-crystal-to-single-crystal transformation	Singh A.S., Ali A., Tiwari R.K., Behera J.N., Sun S., Chandrasekhar V.	CrystEngComm	2018	36	School of Physics and Materials Science, Thapar Institute of Engineering and Technology (TIET), Punjab, India; Department of Physics, Central University of Haryana Jatt-Pali, Mahendergarh, Haryana, India	Web of Science
Catalytic hydrogen generation from NABH ₄ /H ₂ O system: Effects of catalyst and promoters	Kaur A., Gangacharyulu D., Bajpai P.K.	Brazilian Journal of Chemical Engineering	2018	36	Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Deemed to be University, Patiala, Punjab 147 001, India; Department of Mechanical & Mechatronics Engineering, University of Waterloo, Waterloo, ON N2L 3G1, Canada	Web of Science

Comparison of Machine Learning Techniques for the Prediction of Compressive Strength of Concrete	Chopra P., Sharma R.K., Kumar M., Chopra T.	Advances in Civil Engineering	2018	36	School of Mathematics, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; Department of Mathematics, University of Tabuk, Tabuk, Saudi Arabia	Web of Science
Multilayer perceptron application for diabetes mellitus prediction in pregnancy care	Moreira M.W.L., Rodrigues J.J.P.C., Kumar N., Niu J., Sangaiah A.K.	Lecture Notes in Electrical Engineering	2018	36	Department of Biotechnology, Thapar University, Patiala, Punjab, India; Department of Pulmonary Medicine, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India	Web of Science
Cubic intuitionistic fuzzy aggregation operators	Kaur G., Garg H.	International Journal for Uncertainty Quantification	2018	36	Department of Electrical and Instrumentation Engineering, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Optical Devices and Systems, CSIR-Central Scientific Instruments Organization, Chandigarh, 160030, India	Web of Science
Experimental investigation of the effect of heat transfer and pressure drop on performance of a flat tube by using water-based Al ₂ O ₃ nanofluids	Singh G., Gangacharyulu D., Bulasara V.K.	International Journal of Energy for a Clean Environment	2018	36	L.M. Thapar School of Management, Thapar Institute of Engineering and Technology (Deemed to be University), H. Number 1224, Urban Estate, Phase-1, Jalandhar, Punjab, 144022, India; Indian Institute of Information Technology, Room No. 3217, Lecture Complex, Deoghat, Jhalwa, Allahabad, Uttar Pradesh, 211012, India; L.M. Thapar School of Management, Thapar Institute of Engineering and Technology (Deemed to be University), Dera Bassi Campus, Dera Bassi-Barwala Road, District Mohali, Punjab, 140507, India	Web of Science
Micro-phasor measurement units (μPMUs) and its applications in smart distribution systems	Jain A., Bhullar S.	Lecture Notes in Electrical Engineering	2018	36	Department of Chemistry, School of Physical Sciences, Lovely Professional University, Phagwara, 144411, India; School of Chemistry and Biochemistry, Thapar University, Patiala, 147004, India	Web of Science
An asymmetric synthesis of ((3R,6R)-6-methylpiperidine-3-yl)methanol; a piperidine core unit of potent dual orexin receptor antagonist MK-6096	Kaur A., Prakash R., Pandey S.K.	ChemistrySelect	2018	36	USICT, Guru Gobind Singh Indraprastha University, Dwarka, New-Delhi, India; Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Multi-objective data aggregation for clustered wireless sensor networks	Randhawa S., Jain S.	Advances in Intelligent Systems and Computing	2018	36	Thapar University, Patiala, Punjab, India; Malaviya National Institute of Technology, Jaipur, Rajasthan, India	Web of Science
Estimation and mitigation of four wave mixing in wavelength division multiplexing radio over fiber system using hybrid modules	Kaur G., Kaler R.S., Rana A.	Optoelectronics and Advanced Materials, Rapid Communications	2018	36	Electrical Engineering Department, Indian Institute of Technology Roorkee, Roorkee, India; Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India	Web of Science
Development of Pavement Distress Deterioration Prediction Models for Urban Road Network Using Genetic Programming	Chopra T., Parida M., Kwatra N., Chopra P.	Advances in Civil Engineering	2018	36	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; Department of Electrical Engineering, Indian Institute of Technology Roorkee, Roorkee, India	Web of Science

Acoustic comparison of electronics disguised voice using Different semitones	Singh M.K., Singh A.K., Singh N.	International Journal of Engineering and Technology(UAE)	2018	36	1	Department of Electronics and Communication, Raghogarh, Guna, M.P. 473226, India; Department of Computer Science Engineering, Raghogarh, Guna, M.P. 473226, India; Jaypee University of Engineering and Technology, Raghogarh, Guna, M.P. 473226, India; Thapar Institute of Engineering and Technology University, Patiala, 147004, India	Web of Science
Dimensionality reduction using PCA and SVD in big data: A comparative case study	Tanwar S., Ramani T., Tyagi S.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST	2018	36	4	Mechanical Engineering Department, Punjabi University, Patiala, India; Mechanical Engineering Department, Thapar University, Patiala, India	Web of Science
Taguchi's Approach for Optimization of Tribo-Resistance Parameters Forss304	Singh J., Kumar S., Singh G.	Materials Today: Proceedings	2018	36	2	LM Thapar School of Management, Thapar University, Derabassi, India; Rajiv Gandhi Indian Institute of Management, Shillong, India	Web of Science
Effect of hard faced Cr-alloy on abrasive wear of low carbon rotavator blades using design of experiments	Singh S., Garg J., Singh P., Singh G., Kumar K., Singh J., Kumar S., Singh J.P.	Materials Today: Proceedings	2018	36	0	Department of Mathematics, Lovely Professional University, Phagwara, Punjab 144411, India; School of Mathematics, Thapar University Patiala, Punjab, 147004, India	Web of Science
Importance of smart metering in diverse fields of smart cities	Ahuja K., Khosla A.	International Journal of Grid and Distributed Computing	2018	36	0	Computer Science and Engineering Department, Thapar University, India; Department of Computer Science and Information Engineering, National Ilan University, Taiwan	Web of Science
Enhanced gain in S+C band utilizing TDFA-FRA hybrid amplifier in cascaded and parallel configurations at reduced channel spacings for DWDM systems	Singh K., Kaur G., Singla S.K., Kaur P.	Journal of Optoelectronics and Advanced Materials	2018	36	1	Electrical and Instrumentation Engineering Department, Thapar University, Patiala, Punjab, India; Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi, 110016, India	Web of Science
A millimeter wave antenna using slots for defense applications	Negi D., Khanna R.	International Journal of Engineering and Technology(UAE)	2018	36	0	Department of Electrical Engineering, Indian Institute of Technology (BHU), Varanasi, India; Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Integrating agile thinking into maintenance strategy performance analysis	Srivastava P., Khanduja D., Agrawal V.P.	International Journal of Process Management and Benchmarking	2018	36	13	School of Chemistry and Biochemistry, Thapar University, Patiala, 147001, India; Department of Chemistry, Institute of Science, Banaras Hindu University (BHU), Varanasi, 221005, India	Web of Science
Volumetric 3D reconstruction of real objects using voxel mapping approach in a multiple-camera environment	Jadhav T., Singh K., Abhyankar A.	Turkish Journal of Electrical Engineering and Computer Sciences	2018	36	2	Department of Civil Engineering, Thapar University, Patiala, India; Department of Civil Engineering, Indian Institute of Technology, Roorkee, India; Department of Computer Science and Engineering, Thapar University, Patiala, India	Web of Science
Multi-scenario dataset for speaker recognition	Srivastava S., Gopal, Bhardwaj S.	Journal of Intelligent and Fuzzy Systems	2018	36	2	Jaypee University of Engineering and Technology, Guna (M.P.), India; Thapar University, Patiala (Punjab), India	Web of Science

OFFRP: Optimised fruit fly based routing protocol with congestion control for UAVs guided ad hoc networks	Sharma V., You I., Kumar R., Chauhan V.	International Journal of Ad Hoc and Ubiquitous Computing	2018	36	3	Department of Electronics and Communication Engineering, National Institute of Technology, Technical University, Jalandhar, India; Thapar University, Patiala, Punjab, India	Web of Science
Information systems road map to enhance economic and operational reverse logistics performance	Mahindroo A., Samalia H.V., Verma P.	International Journal of Logistics Systems and Management	2018	36	6	Department of Electronics Technology, Guru Nanak Dev University, Amritsar, Punjab 143005, India; Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab 147001, India	Web of Science
A Michael addition-cyclization-based switch-on fluorescent chemodosimeter for cysteine and its application in live cell imaging	Manna S., Karmakar P., Ali S.S., Guria U.N., Sarkar R., Datta P., Mandal D., Mahapatra A.K.	New Journal of Chemistry	2018	36	10	Department of Mechanical Engineering, NIT, Kurukshetra Haryana, 136119, India; Department of Mechanical Engineering, Thapar University, Patiala Punjab, 147001, India	Web of Science
Reaction-based bi-signaling chemodosimeter probe for selective detection of hydrogen sulfide and cellular studies	Guria U.N., Maiti K., Ali S.S., Samanta S.K., Mandal D., Sarkar R., Datta P., Ghosh A.K., Mahapatra A.K.	New Journal of Chemistry	2018	36	7	Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India; Department of Information Security Engineering, Soonchunhyang University, Asan-si, Choongchungnam-do, 31538, South Korea	Web of Science
Hybrid methodology for optimal allocation of synchronous generator-based DG	Kaur N., Jain S.K.	Advances in Intelligent Systems and Computing	2018	36	0	Department of Chemistry, Indian Institute of Engineering Science and Technology Shibpur, Howrah, West Bengal, 711103, India; Centre for Healthcare Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala Punjab, 147 004-486, India	Web of Science
Experiment on a highly sensitive fiber Bragg grating optical sensor to monitor strain and corrosion in civil structures	Kaur G., Kaler R.S., Kwatra N.	Journal of Optical Technology (A Translation of Opticheskii Zhurnal)	2018	36	6	Punjabi University, Patiala, India; Thapar University, Patiala, India	Web of Science
Optimal determination of wavelet for football player EEG using SVM classifier	Aggarwal A., Agarwal R.	Biomedical Research (India)	2018	36	1	Computer Science and Engineering, Thapar University, Patiala 147004, India, India; Computer Science Engineering Department, Bennett University, Greater Noida, Bennett University, Noida 201310, India	Web of Science
An empirical study of clone detection in MATLAB/Simulink models	Rattan D., Bhatia R., Singh M.	International Journal of Information and Communication Technology	2018	36	0	Computer Science and Engineering Department, Thapar University, Patiala, Punjab 147004, India; Department of Computer Science Engineering, School of Engineering and Applied Sciences, Bennett University, Greater Noida, U.P., India	Web of Science
Investigation of rotameric conformations of substituted imidazo-[1,2-a] pyrazine: Experimental and theoretical approaches	Kumar G., Goel R., Paul K., Luxami V.	RSC Advances	2018	36	0	LM Thapar School of Management, Thapar University, Patiala, India; Rajiv Gandhi Indian Institute of Management, Shillong, India	Web of Science

Comparative study of NoSQL databases for big data storage	Bathla G., Rani R., Aggarwal H.	International Journal of Engineering and Technology(UAE)	2018	36	2	School of Mathematics, Thapar University, Patiala, 147001, India; Department of Mathematical Sciences, I.K. Gujral Punjab Technical University, Jalandhar, Main Campus, Kapurthala, 144603, India	Web of Science
Dynamizing Dijkstra: A solution to dynamic shortest path problem through retroactive priority queue	Sunita, Garg D.	Journal of King Saud University - Computer and Information Sciences	2018	36	1	Nonlinear Analysis Research Group, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; Faculty of Mathematics and Statistics, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; School of Mathematics, Thapar University, Patiala, 147004, India	Web of Science
Bayesian Cooperative Coalition Game as a Service for RFID-Based Secure QoS Management in Mobile Cloud	Kumar N., Iqbal R., Misra S., Rodrigues J.J.P.C., Obaidat M.S.	IEEE Transactions on Emerging Topics in Computing	2018	36	5	Thapar University, Department of Chemical Engineering, Punjab Patiala, 147004, India; Terminal Ballistics Research Laboratory, Sector 30, Chandigarh, India	Web of Science
An improved cosine similarity measure for intuitionistic fuzzy sets and their applications to decision-making process	Garg H.	Hacettepe Journal of Mathematics and Statistics	2018	36	16	Department of Electronics and Communication, Raghogarh, Guna (M.P.), 473226, India; Department of Computer Science, Raghogarh, Guna (M.P.), 473226, India; Jaypee University of Engineering and Technology, Raghogarh, Guna (M.P.), 473226, India; Thapar Institute of Engineering and Technology University, Patiala, 147004, India	Web of Science
Prioritized averaging/geometric aggregation operators under the intuitionistic fuzzy soft set environment	Arora R., Garg H.	Scientia Iranica	2018	36	43	Amity School of Engineering and Technology, Amity University, Noida, 201 301, India; Amity School of Engineering, Amity University, Noida, 201 301, India; Computer Science and Engineering Department, Thapar University, Patiala, 147004, India	Web of Science
Systematic review of clustering high-Dimensional and large datasets	Pandove D., Goel S., Rani R.	ACM Transactions on Knowledge Discovery from Data	2018	36	5	Department of Mechanical Engineering, Thapar University, Patiala Punjab, 147004, India; Indian Institute of Technology, Ratanada Jodhpur Rajasthan, 342011, India; Department of Chemical Engineering, Thapar University, Punjab, India	Web of Science
Moderated influence of return frequency and resource commitment on information systems and reverse logistics strategic performance	Mahindroo A., Samalia H.V., Verma P.	International Journal of Productivity and Performance Management	2018	36	0	Department of Mathematics, Lovely Professional University, Phagwara, Punjab, 144411, India; School of Mathematics, Thapar University, Patiala, Punjab, 147004, India	Web of Science
PEEK composite scaffold preparation for load bearing bone implants	Kumar S.S., Chhibber R., Mehta R.	Materials Science Forum	2018	36	0	Biomedical Signal Analysis and Interpretation Laboratory (BioSAIL), Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab 147004, India; Jaypee University, Anoopshahr, Aligarh Road, Bulandshahr, Anoopshahr, Uttar Pradesh 203390, India	Web of Science
On combinatorics of modified lattice paths and generalized q-series	Rana M., Goyal M.	Contributions to Discrete Mathematics	2018	36	0	Department of Mechanical Engineering, Chandigarh University, Mohali, Punjab, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, India	Web of Science

Some robust improved geometric aggregation operators under interval-valued intuitionistic fuzzy environment for multi-criteria decision-making process	Garg H.	Journal of Industrial and Management Optimization	2018	36	34	Department of Mechanical Engineering, Thapar University, Patiala, Punjab 147004, India; Department of Mechanical Engineering, Indian Institute of Technology, Jodhpur, Rajasthan 342011, India; Department of Chemical Engineering, Thapar University, Patiala, Punjab 147004, India	Web of Science
Performance analysis of optimum combiner in power limited cognitive radios with multiple primary interferers	Bindra K.V., Khanna R., Sharma S.	Elektronika ir Elektrotehnika	2018	36	1	Department of Mechanical Engineering, Thapar University, India; Department of Mechanical Engineering, PEC university of Technology, India	Web of Science
BINOL-based differential chromo-fluorescent sensor and its application in miniaturized 1-2/4-2 bit encoders and decoders	Gupta A.S., Kumar G., Paul K., Luxami V.	New Journal of Chemistry	2018	36	2	Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab, India; Central Scientific Instruments Organization, Chandigarh, India	Web of Science
An improved method for simplification of the large scale linear time invariant control system	Tiwari S.K., Kaur G.	WSEAS Transactions on Systems and Control	2018	36	0	School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Applied Sciences, ABES Institute of Technology, Ghaziabad, UP 201009, India	Web of Science
Simulation type functions and coincidence points	Radenovic S., Chandok S.	Filomat	2018	36	14	Gautam Buddha University, Greater Noida, Uttar Pradesh, India; Department of Electrical and Instrumentation Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Analysis of strong decays of charmed mesons D_2^* (2460), D_0 (2560), D_2 (2740), D_1 (3000), D_2^* (3000), and their spin partners D_1^* (2680), D_3^* (2760), and D_0^* (3000)	Gupta P., Upadhyay A.	Physical Review D	2018	36	4	Department of Electronics and Communication Engineering, Chandigarh University, Mohali, Punjab, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, Punjab, India	Web of Science
FCTM: A novel fuzzy classification trust model for enhancing reliability in flying Ad hoc networks (FANETs)	Singh K., Verma A.K.	Ad-Hoc and Sensor Wireless Networks	2018	36	2	Electrical and Instrumentation Engineering Department, Thapar Institute of Engineering and Technology University, Patiala, India; Department of Radio Diagnosis, Postgraduate Institute of Medical Education and Research, Chandigarh, India	Web of Science
An improved block based joint reversible data hiding in encrypted images by symmetric cryptosystem	Bhardwaj R., Aggarwal A.	Pattern Recognition Letters	2018	36	7	School of Energy and Environment, Thapar University, Patiala, 147004, India; Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, 400085, India	Web of Science
Effect of addition of different nano-clays on the fumed silica-polyethylene glycol based shear-thickening fluids	Singh M., Mehta R., Verma S.K., Biswas I.	Materials Research Express	2018	36	13	Department of Electrical and Instrumentation Engineering, Thapar University Punjab, India; Central Scientific Instruments Organization Chandigarh, India	Web of Science
Despeckling of ultrasound images using modified local statistics mean variance filter	Gupta R., Pachauri R., Singh A.	CMES - Computer Modeling in Engineering and Sciences	2018	36	2	Thapar University, Patiala, Punjab, India; Chandigarh University, Mohali, Punjab, India	Web of Science

Impersonation attack on CertificateLess key agreement protocol	Bala S., Sharma G., Verma A.K.	International Journal of Ad Hoc and Ubiquitous Computing	2018	36	Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala (Punjab), India; King Abdullah II School of Information Technology, University of Jordan, Amman, 11942, Jordan; Ming-Chuan University, Taiwan	Web of Science
Effect of Mixing Parameters on Mechanical Properties of Organoclay Epoxy Nanocomposites	Sharma B., Chhibber R., Mehta R.	Materials Today: Proceedings	2018	36	Thapar Institute of Engineering and Technology, Deemed to be University, Patiala (Punjab), India; Institute of Technology, Nirma University, Ahmedabad, India; Electrical and Computer Engineering, University of Idaho, United States	Web of Science
Deterministic Deep Pushdown Transducer and its Parallel Version	Kalra N., Kumar A.	Computer Journal	2018	36	Computer Science and Engineering Department, Thapar Institute of Engineering Technology, Patiala, Punjab, India; ECE Department, Nazarbayev University, Astana, Kazakhstan; King Abdullah II School of Information Technology, University of Jordan, Amman, 11942, Jordan	Web of Science
Security and Privacy for the Internet of Drones: Challenges and Solutions	Lin C., He D., Kumar N., Choo K.-K.R., Vinel A., Huang X.	IEEE Communications Magazine	2018	36	Department of Botany, Rajiv Gandhi University, Rono Hills, 791 112, India; Department of Biotechnology, Thapar University, Patiala, 147 004, India; Vivekananda Institute of Tropical Mycology, Ramakrishna Mission Vidyapith, Chennai, 600 004, India	Web of Science
Nanohybrid optical sensor for simultaneous measurements of strain, temperature, and vibration for civil application	Kaur G., Kaler R.S.	Micro and Nano Letters	2018	36	School of Business, Sichuan Normal University, Chengdu, 610101, China; School of Mathematics, Thapar Institute of Engineering Technology, Patiala, 147004, India; School of Science, Southwest Petroleum University, Chengdu, 610500, China	Web of Science
Reliable Distribution Network Design with Link Disruption Using Cross Decomposition	Kumar V., Anand R.	Procedia Computer Science	2018	36	Prestige Institute of Management, Airport Road, Opposite Deendayal Nagar, Gwalior, Madhya Pradesh, 474020, India; Thapar Institute of Engineering and Technology University, Bhadson Road, Patiala, Punjab, 147004, India; School of Physics, Jiwaji University, Gwalior, India	Web of Science
SecSVA: Secure Storage, Verification, and Auditing of Big Data in the Cloud Environment	Aujla G.S., Chaudhary R., Kumar N., Das A.K., Rodrigues J.J.P.C.	IEEE Communications Magazine	2018	36	Mechanical Engineering Department, Thapar Institute of Engineering and Technology, Patiala, 147004, India; Mechanical Engineering Department, Amity University, Noida, 201303, India; Mechanical Engineering Department, Guru Jambheshwar University of Science and Technology, Hisar, 125001, India	Web of Science
Two Level Encryption of Grey Scale Image through 2D Cellular Automata	Bhardwaj R., Bhagat D.	Procedia Computer Science	2018	36	ECED, Siwan Engineering and Technical Institute, Siwan, Bihar, India; ECED, National Institute of Technical Teachers' Training and Research, Chandigarh, India; ECED, Thapar Institute of Engineering and Technology, Deemed University, Punjab, India	Web of Science

Performance analysis of evanescent wave absorption plasmonic optical sensor with COMSOL FEM method simulation	Singh S., Kaler R.S.	Procedia Computer Science	2018	36	Electronics and Communication Engineering Department, Thapar Institute of Engineering and Technology, (formerly known as Thapar University), Patiala, Punjab, India; Department of Electronic Science, Kurukshetra University, Kurukshetra, Haryana, India	Web of Science
Multi-attribute decision-making based on Bonferroni mean operators under cubic intuitionistic fuzzy set environment	Kaur G., Garg H.	Entropy	2018	36	Department of Chemistry, Bebe Nanaki Guru Nanak Dev University College, Mithra, 144 628, India; Department of Chemical Engineering, Thapar University, Patiala, 147 004, India; Polymer Institute of Slovak Academy of Sciences, Dubravska cesta 9, Bratislava, 842 36, Slovakia	Web of Science
Defogging of road images using gain coefficient-based trilateral filter	Singh D., Kumar V.	Journal of Electronic Imaging	2018	36	School of Chemistry and Biochemistry, Thapar University, Patiala, Punjab 147004, India; Saurav Chemicals Limited, Mohali, Derabassi, Punjab 140507, India; Microbial Type Culture Collection & Gene Bank (MTCC), CSIR Institute of Microbial Technology, Chandigarh, 160036, India	Web of Science
Effects of microstructure and liquid loading on velocity dispersion of leaky Rayleigh waves at liquid-solid interface	Sharma V., Kumar S.	Canadian Journal of Physics	2018	36	Magna Graecia University, Italy; University of Malta, Malta; Thapar University, India	Web of Science
ϕ FrMF : Fractional Fourier Matched Filter	Kumar S., Saxena R.	Circuits, Systems, and Signal Processing	2018	36	School of Mathematics, Thapar University, Patiala, Punjab, 147004, India; IKG Punjab Technical University, Jalandhar-4 Kapurthala Highway, Kapurthala, Punjab, 144603, India; Department of Mathematics, Lovely Professional University, Phagwara, Punjab, 144411, India	Web of Science
Evolving state grammar for modeling DNA and RNA structures	Kumar A., Kalra N., Garhwal S.	International Journal of Engineering and Technology(UAE)	2018	36	Department of CE, Institute of Technology, Nirma University, Ahmedabad, India; Department of ECE, Thapar University, Patiala, Punjab, India	Web of Science
Kinematic modeling of a 7-degree of freedom spatial hybrid manipulator for medical surgery	Singh A., Singla E., Soni S., Singla A.	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	36	B.G.I.E.T., Sangrur, Punjab, 148001, India; Thapar University, Patiala, Punjab, 147004, India; G.J.U.S.andT. University, Hisar, Haryana, 125001, India	Web of Science
Investigating the quality characteristics of Al5052/SiC metal matrix composites machined by CO ₂ laser curve cutting	Sharma V., Kumar V.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	Department of Electronics and Telecommunication, Vishwakarma Institute of Information Technology, Pune, India; Department of Electronics and Communication Engineering, Thapar University, Patiala, India; Department of Technology, Savitribai Phule Pune University, Pune, India	Web of Science

Processing and characterization of composite cladding through microwave heating on martensitic steel	Kaushal S., Sirohi V., Gupta D., Bhowmick H., Singh S.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	15	Department of Chemistry, Indian Institute of Engineering Science and Technology, Shibpur Howrah West Bengal, 711103, India; School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala Punjab, 147004, India; Centre for Healthcare Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, India; Bhabha Atomic Research Centre Trombay, Mumbai, 400085, India	Web of Science
Seawater ageing of glass fiber reinforced epoxy nanocomposites based on silylated clays	Sharma B., Chhibber R., Mehta R.	Polymer Degradation and Stability	2018	36	9	Department of Computer Engineering, Punjabi University, Patiala, Punjab, 147002, India; Department of Computer Science and Engineering, PEC University of Technology, Chandigarh, Chandigarh, 160012, India; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, 147004, India	Web of Science
Optimization of modified T-shape microstrip patch antenna using differential algorithm for X and ku band applications	Nitika, Khanna R., Kaur J.	Microwave and Optical Technology Letters	2018	36	6	Faculty of Mechanical Engineering Department, CMR College of Engineering and Technology, Hyderabad, Telangana state 501401, India; Faculty of Mechanical Engineering, Indian Institute of Technology, Jhoddhpur, Rajasthan, India; Faculty of Chemical Engineering, Thapar University, Patiala, Punjab, India	Web of Science
Analysis of electrochemical behavior on micro-drilling of cast hybrid $Al/(Al_2O_3 + SiC)_p - MMC$ using micro-ECM process	Kalra C.S., Kumar V., Manna A.	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2018	36	9	Department of Mechanical Engineering, Thapar University, Patiala, India; Mechanical Engineering Department, IIT Ropar, Rupnagar, India; Biomedical Instrumentation Division, Council of Scientific & Industrial Research–Central Scientific Instruments Organisation (CSIR-CSIO), Chandigarh, India	Web of Science
Evaluating the efficacy of gabor features in the discrimination of breast density patterns using various classifiers	Kriti, Virmani J., Agarwal R.	Lecture Notes in Computational Vision and Biomechanics	2018	36	2	Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab 140406, India; School of Physics and Materials Science, Thapar University, Patiala, 147004, India; Department of Physics, Panjab University, Chandigarh, 160014, India	Web of Science
Analysis of intermediate and light mass fragments from composite systems $^{26-29}Al^{sup>* formed in O_{16,18} + ^{10,11}B reactions$	Kaur M., Singh B., Sharma M.K., Gupta R.K.	Nuclear Physics A	2018	36	3	Department of Computer Science and Engineering, Mata Ganga Khalsa College for Girls, Ludhiana, 141001, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Department of Computer Science, Punjabi University, Patiala, 147002, India	Web of Science

4-Nitrophenol reduction catalysed by Au-Ag bimetallic nanoparticles supported on LDH: Homogeneous vs. heterogeneous catalysis	Arora N., Mehta A., Mishra A., Basu S.	Applied Clay Science	2018	36	55	L. M. Thapar School of Management (LMTSOM), Thapar University, Patiala, Punjab 147004, India; Indian Institute of Management Kozhikode (IIMK), IIMK Campus P.O., Kunnamangalam, Kozhikode, Kerala 673570, India; Industrial Engineering and Manufacturing Systems Area, National Institute of Industrial Engineering (NITIE), Mumbai, 400087, India	Web of Science
Fragmentation analysis of α -induced reactions using clusterization approach	Kaur A., Sharma M.K.	Nuclear Physics A	2018	36	3	Computer Science Engineering Department, Thapar Institute of Engineering Technology, Patiala, Punjab, India; Computer Science and Engineering Department, Chandigarh University, Mohali (Punjab), India; University of Klagenfurt, Institute of Information Technology, Austria; University of Jordan, King Abdullah II School of Information Technology, Jordan	Web of Science
A generalized method for the segmentation of exudates from pathological retinal fundus images	Kaur J., Mittal D.	Biocybernetics and Biomedical Engineering	2018	36	25	Department of Computer Science and Information Systems, BITS Pilani, Pilani, Rajasthan, India; Computer Science Engineering Department, Thapar Institute of Engineering Technology, Patiala, Punjab, India; Computer Science Engineering Department, Chandigarh University, Gharuan, Punjab, India; National Institute of Telecommunications (Inatel), Brazil	Web of Science
Aluminum and chromium substituted Z-type hexaferrites for antenna and microwave absorber applications	Basandrai D., Bedi R.K., Dhama A., Sharma J., Narang S.B., Pubby K., Gupta A., Srivastava A.K.	Journal of Sol-Gel Science and Technology	2018	36	3	Department of Civil and Environmental Engineering, NorthCap University, Gurugram, 122017, India; Department of Geology, School of Physical Sciences, Sikkim University (A Central University), 6th mile, Samdur, Tadong, Gangtok, Sikkim, 737102, India; Department of Civil Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, 147004, India; Global Realty, Gurugram, India	Web of Science
A novel TVAC-PSO based mutation strategies algorithm for generation scheduling of pumped storage hydrothermal system incorporating solar units	Patwal R.S., Narang N., Garg H.	Energy	2018	36	33	School of Cyber Science and Engineering, Wuhan University, Wuhan, 430072, China; Department of Information Systems and Cyber Security, University of Texas at San Antonio, San Antonio, TX 78249, United States; Department of Computer Science Engineering, Thapar University, Patiala, 147003, India; Department of Computer Science, University of Salerno, Fisciano, 84084, Italy	Web of Science
Effect of crosslinked polymer content on drying of binary polymer—solvent coatings	Pathania A., Sharma J., Arya R.K., Ahuja S.	Progress in Organic Coatings	2018	36	1	Department of Electrical Engineering, Guru Kashi University, Bathinda, Punjab, India; Electrical & Instrumentation Engineering Department, Thapar Institute of Engineering & Technology, Patiala, India; Young Researchers Club and Elite, Sardasht Branch, Islamic Azad University, Sardasht, Iran; Young Researchers Club and Elite, Urmia Branch, Islamic Azad University, Urmia, Iran	Web of Science

Optical and thermal properties of glasses and glass-ceramics derived from agricultural wastes	Sharma G., Arya S.K., Singh K.	Ceramics International	2018	36	19	College of Information Technology, United Arab Emirates University, Al Ain, 15551, United Arab Emirates; Toronto Rehabilitation Institute, University Health Network Toronto, Toronto, Canada; Department of Computer Science, Thapar Institute of Engineering and Technology, Patiala, Punjab, India	Web of Science
Preface	Urooj S., Virmani J.	Advances in Intelligent Systems and Computing	2018	36	0	Variable Energy Cyclotron Centre, 1/AF Bidhan Nagar, Kolkata, 700064, India; Bose Institute, Centre for Astroparticle Physics and Space Sciences, P-1/12, CIT Road, Scheme VII-M, Kolkata, West Bengal 700054, India; GSI Helmholtzzentrum für Schwerionenforschung GmbH, Planckstrasse 1, Darmstadt, 64291, Germany; School of Physics and Material and Sciences, Thapar University, Patiala, Punjab 147004, India	Web of Science
An optimal tree-based routing protocol using particle swarm optimization	Sohan R., Mittal N., Singh U., Sohi B.S.	Advances in Intelligent Systems and Computing	2018	36	4	Department of Electronics and Communication Engineering, Desh Bhagat University, Mandi Gobindgarh, Punjab, India; Department of Electronics and Communication Engineering, Eternal University, Baru Sahib, Himachal Pradesh, India; Department of Nanotechnology, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, India; Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, India; Department of Chemistry and Biochemistry, Thapar University, Patiala, Punjab, India	Web of Science
Detection of chronic kidney disease: A NN-GA-based approach	Hore S., Chatterjee S., Shaw R.K., Dey N., Virmani J.	Advances in Intelligent Systems and Computing	2018	36	6	L.M. Thapar School of Management, India; Derabassi Campus, India; Thapar University, India; Village-Behra, Derabassi, 140507, India; Mohali, Punjab, India; Rajiv Gandhi Indian Institute of Management, India; Nongthymmai, Shillong, 793014, India; Meghalaya, India; L M Thapar School of Management, India; Derabassi Campus, India; Thapar University, India; Village-Behra, Derabassi, 140507, India; Mohali, Punjab, India	Web of Science
Brain CT and MR image fusion framework based on stationary wavelet transform	Ramlal S.D., Sachdeva J., Ahuja C.K., Khandelwal N.	Advances in Intelligent Systems and Computing	2018	36	2	Thapar University, India; International Institute of Information Technology, Hyderabad, India; National Institute of Telecommunications (Inatel), Instituto de Telecomunicacoes, ITMO University and the University of Fortaleza (UNIFOR), Portugal	Web of Science
Effect of particle size on dry sliding wear behaviour of sillimanite reinforced aluminium matrix composites	Sharma S., Nanda T., Pandey O.P.	Ceramics International	2018	36	20	Department of Computer Science & Engineering, HETC, Hooghly, India; Department of Computer Science & Engineering, University of Calcutta, Kolkata, India; Department of Computer Science & Engineering, BCET, Durgapur, India; Department of EIED, Thapar University, Patiala, India	Web of Science

Tungsten supported Ti/SiO ₂ nanoflowers as reusable heterogeneous catalyst for biodiesel production	Kaur M., Malhotra R., Ali A.	Renewable Energy	2018	36	31	Department of Computer Science and Engineering, Thapar University Patiala-147004, India; Department of Computer Science and Engineering, Indian School of Mines, Dhanbad, India; Department of Computing, Faculty of Engineering, Coventry University, Coventry, United Kingdom; International Business School Suzhou, Xi'an Jiaotong Liverpool University, Suzhou, China	Web of Science
Effect of Tb ³⁺ ion substitution on structural, optical and magnetic properties of CdS nanoparticles	Jindal S., Kaur K., Verma N.K., Sharma P.	Journal of Materials Science: Materials in Electronics	2018	36	3	National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí-MG, Brazil; Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; Federal University of Piauí, Teresina-PI, Brazil; University of Fortaleza (UNIFOR), Fortaleza-CE, Brazil; Instituto de Telecomunicações, Portugal	Web of Science
Energy-efficient load balancing scheme for two-tier communication in wireless sensor networks	Randhawa S., Jain S.	Journal of Supercomputing	2018	36	2	Computer Science and Engineering Department, Indian Institute of Technology, Bombay, India; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala (Punjab), India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Punjab, India; ECE Department, Nazarbayev University, Astana, Kazakhstan; King Abdullah II School of Information Technology, University of Jordan, Jordan	Web of Science
Performance of hematite particles as an Iron source for the degradation of ornidazole in photo-fenton process	Changotra R., Varshney L., Paul Guin J., Dhir A.	Journal of Sol-Gel Science and Technology	2018	36	2	Department of Computer Science and Information Systems, BITS Pilani, Pilani, India; Computer Science and Engineering Department, Thapar University, Patiala (Punjab), India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, India; National Institute of Telecommunications (Inatel), Brazil; Instituto de Telecomunicac Oes, University of Fortaleza (UNIFOR), Portugal	Web of Science
An efficient and robust approach for biomedical image retrieval using Zernike moments	Kumar Y., Aggarwal A., Tiwari S., Singh K.	Biomedical Signal Processing and Control	2018	36	7	Lovely Professional University, Punjab, India; School of Mechanical Engineering, Lovely Professional University, Punjab, India; Department of Mechanical Engineering, I.K. Gujral Punjab Technical University, Hoshiarpur, Punjab, India; Department of Mechanical Engineering, Kongju National University, South Korea; School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, Punjab, India; School of Mechanical Engineering, Pusan National University, South Korea	Web of Science

Classification of non-motor cognitive task in EEG based brain-computer interface using phase space features in multivariate empirical mode decomposition domain	Dutta S., Singh M., Kumar A.	Biomedical Signal Processing and Control	2018	36	12	Advanced Manufacturing Research Institute, National Institute of Advanced Industrial Science and Technology, 1-2-1 Namiki, Tsukuba, Ibaraki, Japan; International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science, 1-1 Namiki, Tsukuba, Ibaraki, 305-0044, Japan; Materials Research Center for Element Strategy, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama Kanagawa, 226-8503, Japan; Center for Green Research on Energy and Environmental Materials, National Institute for Materials Sciences, Ibaraki, 305-0044, Japan; School of Physics and Materials Sciences, Thapar University, Patiala, Punjab, 147004, India; Samsung Electronics, Semiconductor R and D Center, 1 Samsungjeonja-ro, Hwaseong-si, Gyeonggi-do, 18448, South Korea	Web of Science
On some results in metric spaces using auxiliary simulation functions via new functions	Liu X.-L., Ansari A.H., Chandok S., Radenovic S.	Journal of Computational Analysis and Applications	2018	36	14	Department of Computer Science and Engineering, Thapar University, Patiala, Punjab, India; Department of Computer Science and Engineering, Indian Institute of Information Technology Kalyani, Kalyani, WB 741235, India; Department of Computer Science and Engineering, University College of Engineering, Melpakkam, Tindivanam, TN 604001, India; Center of Excellence in Information Assurance, King Saud University, Riyadh, Saudi Arabia; Information Management and Information Systems, International Business School Suzhou (IBSS), Xi'an Jiaotong Liverpool University, Suzhou Shi, Jiangsu, United Kingdom	Web of Science
Magnetorheological nano-finishing of diamagnetic material using permanent magnets tool	Kansal H., Singh A.K., Grover V.	Precision Engineering	2018	36	7	Netaji Subhas Institute of Technology, Delhi University, Dwarka, Delhi, India; Bharati Vidyapeeth's College of Engineering, Guru Gobind Singh Indraprastha University, Delhi, India; Thapar University, Patiala, punjab, India	Web of Science
Effective image encryption technique through 2D cellular automata	Bhardwaj R., Sharma V.	Advances in Intelligent Systems and Computing	2018	36	1	Wuhan University, China; Thapar University, China; University of Texas at San Antonio, United States; Halmstad University, Sweden; Fujian Normal University, China	Web of Science
Classification of SQL injection attacks using fuzzy tainting	Khanna S., Verma A.K.	Advances in Intelligent Systems and Computing	2018	36	2	Department of Physics, I.K. Gujral Punjab Technical University, Jalandhar, Punjab, India; Department of Physics, Lovely Professional University, Phagwara, Punjab, India; Satyam Institute of Engineering & Technology, Amritsar, Punjab, India; Department of Electronic and Communication, Guru Nanak Dev University, Amritsar, Punjab, India; School of Physics and Material Science, Thapar University, Patiala, Punjab, India	Web of Science

An improved score function for ranking neutrosophic sets and its application to decision-making process	Nancy, Garg H.	International Journal for Uncertainty Quantification	2018	36	42	Birla Institute of Technology and Science (BITS Pilani), India; Computer Science and Engineering Department, Thapar Institute of Engineering and Technology, Patiala, India; Computer Science and Engineering Department, Chandigarh University, Gharuan, Punjab, India; National Institute of Telecommunications (Inatel), Brazil; Instituto de Telecomunicacoes, Portugal; University of Fortaleza (UNIFOR), Ceara, Brazil	Web of Science
A new fuzzy CCR data envelopment analysis model and its application to manufacturing enterprises	Bhardwaj B., Kaur J., Kumar A.	Studies in Fuzziness and Soft Computing	2018	36	1	Department of Mechanical Engineering, Chandigarh Engineering College, Landran (Mohali), Punjab, 147004, India; Department of Production Engineering, Guru Nanak Dev Engineering College, Gill Road, Gill Park, Ludhiana, Punjab, 141006, India; Department of Mechanical Engineering, Thapar University, Patiala, Punjab, 147004, India; Symbiosis Institute of Technology, Symbiosis International University, Lupin Research Park, Lavale, Tal: Mulshi, Pune, 411042, India	Web of Science
A new approach for solving CCR data envelopment analysis model under uncertainty	Bhardwaj B., Kaur J., Kumar A.	Studies in Fuzziness and Soft Computing	2018	36	2	EHEP&A Group, Variable Energy Cyclotron Centre, Kolkata, 700064, India; Training School Complex, Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400 085, India; Bose Institute, Centre for Astroparticle Physics and Space Sciences, P-1/12, CIT Road, Scheme VII-M, Kolkata, West Bengal 700054, India; GSI Helmholtzzentrum für Schwerionenforschung GmbH, Planckstrasse 1, Darmstadt, 64291, Germany; School of Physics and Material Sciences, Thapar University, Patiala, Punjab 147004, India; Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat 395007, India	Web of Science
Can lean lead to green? Assessment of radial tyre manufacturing processes using system dynamics modelling	Gupta V., Narayanamurthy G., Acharya P.	Computers and Operations Research	2018	36	23	School of Science, Sichuan University of Science and Engineering, Zigong, Sichuan 643000, China; Sichuan Province University Key Laboratory of Bridge Non-destruction Detecting and Engineering Computing 643000, China; Department of Mathematics, Karaj Branch, Islamic Azad University, Karaj, Iran; School of Mathematics, Thapar University, Patiala, Punjab 147-004, India; Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, Beograd, 11120, Serbia; State University of Novi Pazar, Novi Pazar, Serbia	Web of Science

1-D grating based SPR biosensor for the detection of lung cancer biomarkers using Vroman effect	Teotia P.K., Kaler R.S.	Optics Communications	2018	36	6	Subir Chowdhury School of Quality and Reliability, IIT Kharagpur, Kharagpur, 721 302, India; Center for Security, Theory and Algorithmic Research, International Institute of Information Technology, Hyderabad, 500 032, India; Department of Computer Science and Engineering, Thapar University, Patiala, 147 004, India; National Institute of Telecommunications, Santa Rita do Sapucaí, 37540-000, Brazil; Instituto de Telecomunicações, Aveiro, 1049-001, Portugal; University of Fortaleza, Fortaleza, 60811-905, Brazil; School of Electronics Engineering, Kyungpook National University, Daegu, 41566, South Korea	Web of Science
A light weight authentication protocol for IoT-enabled devices in distributed Cloud Computing environment	Amin R., Kumar N., Biswas G.P., Iqbal R., Chang V.	Future Generation Computer Systems	2018	36	74	Sinica, 115 Nankang, Taipei, Taiwan; Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur, India; Tata Institute of Fundamental Research, Hyderabad, India; Department of Chemistry, Chandigarh University, NH-95, Chandigarh-Ludhiana Highway, Mohali, Panjab, 140413, India	Web of Science
Forensics for partially double compressed doctored JPEG images	Singh G., Singh K.	Multimedia Tools and Applications	2018	36	5	Department of Computer Science and Engineering, Thapar University, Patiala, 147004, India; Faculty of Engineering, Environment and Computing, Coventry University, Coventry, CV1 5FB, United Kingdom; School of Information Technology, IIT Kharagpur, Kharagpur, 721302, India; Instituto de Telecomunicações, University of Beira Interior, Covilhã, 6201-001, Portugal; University of Fortaleza (UNIFOR), Fortaleza, 60811-905, Brazil; Department of Computer and Information Science, Fordham University, Bronx, NY 10458, United States	Web of Science
Synthesis of linear antenna array using flower pollination algorithm	Singh U., Salgotra R.	Neural Computing and Applications	2018	36	33	Instituto de Telecomunicações, Universidade da Beira Interior, Covilhã, Portugal; Instituto Federal de Educação, Ciência e Tecnologia do Ceará (IFCE), Aracati, CE, Brazil; National Institute of Telecommunications (Inatel), Santa Rita do Sapucaí, MG, Brazil; University of Fortaleza (UNIFOR), Fortaleza, CE, Brazil; Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India; School of Computer Science and Engineering, Beihang University, Beijing, China; School of Computing Science and Engineering, Vellore Institute of Technology (VIT), Vellore, India	Web of Science

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index (or the university during the year 2019-2020)	Number of citations (Times Cited)	Institutional affiliation as mentioned in the publication
Searching the reason for sub-barrier fi	Khushboo; Madhavan, N;	Nat Physical Review C	2019	25	0	Delhi, Dept Phys & Astrophys, Delhi 110007, India; [Madhavan, N.; Nath, S.; Jhingan, A.; Gehlot, J.]
Tuning the band energetics of size de	Aulakh, MK; Pal, B	Journal Of Industrial And Engine	2019	25	0	Inst Engn & Technol, Sch Chem & Biochem, [Aulakh, Manpreet Kaur, Pal, Surinderjit Thapar]
Biocatalytic Aza-Michael Addition of A	Dutt, S; Goel, V; Garg, N; Choi	Advanced Synthesis & Catalysis	2019	25	0	Tyagi, Vikas] Thapar Inst Engn & Technol, Sch [Dutt, Sunil; Goel, Vanshita; Choudhury, Diptiman;
Numerical study of bioconvection flow	Aneja, M; Sharma, S	International Journal Of Moderr	2019	25	0	& Technol, Sch Math Patiala, Patiala 147004, [Aneja, Madhu; Sharma, Sapna] Thapar Inst Engn
Influence of marble waste as partial r	Vardhan, K; Siddique, R; Goy	Construction And Building Mate	2019	25	4	Patiala, Punjab, India; [Siddique, Rafat; Goyal, [Sharma, Purnima; Goyal, Dinesh] Thapar Inst
Role of hydrodynamic size in colloidal	Sharma, P; Goyal, D; Chudasa	Micro & Nano Letters	2019	25	0	Engn & Technol, Dept Biotechnol, Patiala 147004, [Sharma, Atul; Mallick, S. S.] Thapar Inst Engn &
An investigation into pressure drop th	Sharma, A; Mallick, SS	Particulate Science And Technol	2019	25	1	Technol, Dept Mech Engn, Lab Particle & Bulk [Bhatnagar, Pallavee] Skolkovo Inst Sci & Technol,
Nine-level voltage-doubler bi-polar m	Bhatnagar, P; Agrawal, R; Dev	let Power Electronics	2019	25	0	Ctr Energy Sci & Technol, Moscow, Russia; [Gurung, Priya Darshini; Upadhyay, Atul Kumar;
Transcriptome analysis reveals plasti	Gurung, PD; Upadhyay, AK; B	Bmc Genomics	2019	25	0	Sowdhamini, Ramanathan; Ramakrishnan, Uma] [Sharma, Vanita; Kumar, Satish] Thapar Inst Engn
Microstructural and viscous liquid loa	Sharma, V; Kumar, S	Mechanics Of Advanced Materie	2019	25	0	& Technol, Sch Math, Patiala 147004, Punjab, [Kumar, Sudhir; Batish, Ajay; Singh, T. P.] Thapar
Additive manufacturing of smart mate	Kumar, S; Singh, R; Batish, A;	Journal Of Thermoplastic Compr	2019	25	2	Inst Engn & Technol, Dept Mech Engn, Patiala, [Narayanamurthy, Gopalakrishnan] Univ
Assessment of systemic greenness: a c	Narayanamurthy, G; Sengupt	Production Planning & Control	2019	25	0	Liverpool, Management Sch, Liverpool, [Ghosh, Smarajit] Thapar Inst Engn & Technol,
Optimal design of autonomous desalir	Ghosh, S	International Journal Of Energy	2019	25	0	Dept Elect & Instrumentat Engn, Patiala, Punjab, [Kaushal, Jitender; Basak, Prasenjit] Thapar Inst
A Decision Making Methodology to As	Kaushal, J; Basak, P	Electric Power Components And	2019	25	0	Engn & Technol, Elect & Instrumentat Engn Dept, [Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar
Flexural, pull-out, and fractured surfar	Kumar, S; Singh, R; Singh, TP;	Journal Of Composite Materials	2019	25	3	Inst Engn & Technol, Dept Mech Engn, Patiala, [Chaudhary, Rajat; Kumar, Neeraj] Thapar Inst
LOADS: Load Optimization and Anoma	Chaudhary, R; Kumar, N	IEEE Transactions On Vehicular	2019	25	2	Engn & Technol, Comp Sci & Engn, Patiala 147004, [Kumar, Pawan; Brar, Gagandeep Singh] Thapar
Perspectives and Intensification of En	Kumar, P; Brar, GS; Singh, S; N	Energies	2019	25	1	Inst Engn & Technol, Elect & Instrumentat Engn, [Zeng, Shouzhen] Ningbo Univ, Sch Business,
A Multi-Attribute Decision Making Pro	Zeng, SZ; Garg, H; Munir, M; I	Energies	2019	25	4	Ningbo 315211, Peoples R China; [Zeng, [Sethi, Harshsav; Bansal, Prem Pal; Sharma, Raju]
Effect of Addition of GGBS and Glass P	Sethi, H; Bansal, PP; Sharma, I	Iranian Journal Of Science And T	2019	25	2	Thapar Inst Engn & Technol, Dept Civil Engn, [Habib, Sana; Nie, Yufeng; Khan, Faiz Muhammad]
An Innovative Approach towards Poss	Habib, S; Garg, H; Nie, YF; Kh	Mathematics	2019	25	1	Northwestern Polytech Univ, Sch Sci, Dept Appl [Li, Na; Wang, Lei] Liaoning Tech Univ, Dept Basic
Some Novel Interactive Hybrid Weight	Li, N; Garg, H; Wang, L	Mathematics	2019	25	1	Teaching, Huludao 125105, Peoples R China; Web of Science

SDN-BASED INTERNET OF AUTONOMOUS NETWORKS	Kaur, K; Garg, S; Kaddoum, G; IEEE	Wireless Communications	2019	25	[Kaur, Kuljeet; Garg, Sahil] Univ Quebec, Ecole Technol Super, Montreal, PQ, Canada; [Kaddoum, Dhiman, Sourav; Nijhawan, Parag] TIET, Dept Elect & Instrumentat Engr, Patiala, Punjab, India	Web of Science
Design & analysis of improved bus-tie	Dhiman, S; Nijhawan, P	Indian Journal Of Geo-Marine Science	2019	25	[Singla, Jayishnu; Verma, Anoop] Thapar Inst Engr & Technol, Sch Energy & Environm, Patiala, Punjab, India	Web of Science
Applications of doped mixed metal oxides	Singla, J; Verma, A; Sangal, VK	Journal Of Water Process Engineering	2019	25	[Singh, Daljeet] Lovely Profess Univ, Sch Elect & Technol, Phagwara, Punjab, India; [Kumar, Atul] Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Symbol Error Rate Analysis of OFDM	Singh, D; Kumar, A; Joshi, HD	Wireless Personal Communications	2019	25	[Singla, Rohit K.] Thapar Inst Engr & Technol, Mech Engr Dept, Patiala, Punjab, India; [Sharma, Bhardwaj, Sakshi; Dogra, Deeksha; Pal, Bonamali; Singh, Satnam] Thapar Inst Engr & Technol, Sch Budhiraja, Ishan; Tanwar, Sudeep; Kumar, Neeraj] Nirma Univ, Inst Technol, Dept Comp Sci & Engr, Patiala 147004, Punjab, India	Web of Science
An adaptive grid-based curvelet optimization	Sharma, D; Singla, RK; Goyal, I	International Journal Of Modern Physics	2019	25	[Garg, Harish; Kumar, Kamal] Thapar Inst Engr & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Photodeposition time dependant growth	Bhardwaj, S; Dogra, D; Pal, B	Solar Energy	2019	25	[Alreja, Priya] Thapar Inst Engr & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India; [Sharma, S.; Rana, M.] Thapar Inst Engr & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
DIYA: Tactile Internet Driven Delay Asynchronous	Budhiraja, I; Tyagi, S; Tanwar, I	IEEE Transactions On Industrial Informatics	2019	25	[Yadav, Sumit; Malik, Praveen; Jayoti, Divya] Dr BR Ambedkar Natl Inst Technol, Liquid Crystal Lab, Patiala, Punjab, India	Web of Science
ECCAuth: A Secure Authentication Protocol	Kumar, N; Aujla, GS; Das, AK	IEEE Transactions On Industrial Informatics	2019	25	[Girdhar, Ashish; Kumar, Vijay] Thapar Inst Engr & Technol, Comp Sci & Engr, Patiala 147004, Punjab, India	Web of Science
Linguistic Interval-Valued Atanassov Irfan	Garg, H; Kumar, K	IEEE Transactions On Fuzzy Systems	2019	25	[Peng, Xindong] Shaoguan Univ, Sch Informat Sci & Engr, Shaoguan, Peoples R China; [Garg, Singh, Dilbag; Kaur, Manjit] Chandigarh Univ, Apex Inst Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Test kit of chromogenic and ratiometric	Alreja, P; Kaur, N	Inorganic Chemistry Communications	2019	25	[Kaur, Navneet; Kaur, Amanpreet] Thapar Univ, Antenna Testing & Res Lab, Elect & Commun Engr, Patiala, Punjab, India	Web of Science
Interpreting some fifth and sixth order	Sharma, S; Rana, M	Journal Of The Ramanujan Mathematical Society	2019	25	[Sharma, Kanishka; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala, Punjab, India	Web of Science
Electro-optical, dielectric and optical properties	Yadav, S; Malik, P; Khushboo, I	Liquid Crystals	2019	25	[Goyal, Mehendi; Baranwal, Manoj; Reddy, Mondem Sudhakar] Thapar Inst Engr & Technol, Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
A reversible and affine invariant 3D data	Girdhar, A; Kumar, V	Journal Of Ambient Intelligence	2019	25	[Khanna, Divya; Rana, Prashant Singh] Thapar Inst Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Deep learning models for traffic flow prediction	Miglani, A; Kumar, N	Vehicular Communications	2019	25	[Goyal, Richa; Kumar, Satish] Thapar Inst Engr & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Multiparametric similarity measures	Peng, XD; Garg, H	Applied Intelligence	2019	25	[Kaur, Parminder; Pannu, Husanbir Singh; Malhi, Avleen Kaur] Thapar Inst Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Single image dehazing using gradient descent	Singh, D; Kumar, V; Kaur, M	Applied Intelligence	2019	25	[Salgotra, Rohit; Singh, Urvinder] Thapar Univ, Dept ECE, Patiala, Punjab, India	Web of Science
A Compact Plus Shaped Carpet Fractal	Kaur, N; Kaur, A	Wireless Personal Communications	2019	25		
Fission Dynamics and Related Aspects	Sharma, K; Sharma, MK	Brazilian Journal Of Physics	2019	25		
Hetero-Polysaccharides Secreted from	Goyal, M; Baranwal, M; Pandey, I	Indian Journal Of Microbiology	2019	25		
Ensemble Technique for Prediction of	Khanna, D; Rana, PS	Interdisciplinary Sciences-Computational Mathematics	2019	25		
Dispersion of Love waves in size-dependent	Goyal, R; Kumar, S	International Journal Of Mechanical Engineering	2019	25		
Plant disease recognition using fractional	Kaur, P; Pannu, HS; Malhi, AK	Neural Computing & Applications	2019	25		
The naked mole-rat algorithm	Salgotra, R; Singh, U	Neural Computing & Applications	2019	25		

Emotional sentiment analysis for a grc	Bawa, VS; Kumar, V	Neural Computing & Applicator	2019	25	[Bawa, Vivek Singh; Kumar, Vinay] Thapar Inst	Web of Science
A nifty review to text summarization-t	Roul, RK; Arora, K	Soft Computing	2019	25	2 Engr & Technol, Elect & Commun Engr Dept, [Roul, Rajendra Kumar] Thapar Inst Engr &	Web of Science
Tribological performance of Yttrium (I	Singh, J; Kumar, S; Mohapatra	Ceramics International	2019	25	0 Technol, Dept Comp Sci, Patiala 147004, Punjab, [Singh, Jashanpreet; Mohapatra, S. K.] Thapar Inst	Web of Science
Character and numeral recognition fo	Kumar, M; Jindal, MK; Sharm	Artificial Intelligence Review	2019	25	3 Engr & Technol, Mech Engr Dept, Patiala 147004, [Kumar, Munish] GZS Campus Coll Engr &	Web of Science
A hybrid energy management approac	Kaur, J; Bala, A	Building Simulation	2019	25	14 Technol, Dept Comp Applicat, Bathinda, Punjab, [Kaur, Jasmeet; Bala, Anju] Thapar Univ, Comp Sci	Web of Science
A novel study on soft ferromagnetic n	Kaur, N; Mir, RA; Pandey, OP	Physica B-Condensed Matter	2019	25	0 & Engr Dept, Patiala, Punjab, India [Kaur, Navpreet; Mir, Rameez Ahmad; Pandey, O.	Web of Science
Enhancement of activated tungsten in	Babbar, A; Kumar, A; Jain, V; (	Measurement	2019	25	2 P.) Thapar Inst Engr & Technol, Sch Phys & Mat [Babbar, Atul; Kumar, Akhilesh; Jain, Vivek; Gupta,	Web of Science
Thermal degradation kinetics of PP/PL	Mandal, DK; Bhunia, H; Bajpa	Journal Of Thermoplastic Compr	2019	25	4 Dheeraaj] Thapar Inst Engr & Technol, Mech Engr [Mandal, Dev K.; Bhunia, Haripada; Bajpai,	Web of Science
Enhanced photoluminescence intensit	Jeet, S; Pandey, OP	Journal Of Materials Science-Ma	2019	25	2 Pramod K.] Thapar Univ, Dept Chem Engr, Patiala [Jeet, Suninder; Pandey, O. P.] Thapar Inst Engr &	Web of Science
Platform tolerant dual-band UHF-RFID	Bansal, A; Sharma, S; Khanna,	International Journal Of Rf And I	2019	25	0 Technol, Sch Phys & Mat Sci, Patiala 147002, [Bansal, Aarti; Sharma, Surbhi; Khanna, Rajesh]	Web of Science
Effect of nano silica and coir fiber on c	Gupta, M; Kumar, M	Construction And Building Mate	2019	25	0 Thapar Inst Engr & Technol, Dept Elect & [Gupta, Mayank] Shri Guru Gobind Singhji SGGS	Web of Science
Influence of incinerated biomedical w	Kaur, H; Siddique, R; Rajor, A	Construction And Building Mate	2019	25	6 Inst Engr & Technol, Dept Civil Engr, Nanded [Kaur, Harsimranpreet; Siddique, Rafat] Thapar	Web of Science
Design and development of high powe	Jain, A; Yadav, RP; Kumar, S	let Microwaves Antennas & Proj	2019	25	2 Inst Engr & Technol, Dept Civil Engr, Patiala, [Jain, A.; Yadav, R. P.] Thapar Inst Engr & Technol,	Web of Science
Solar PV and Grid Based Isolated Conv	Singh, AK; Chinmaya, KA; Bad	let Power Electronics	2019	25	1 Elect & Commun Dept, Patiala 147004, Punjab, [Singh, Ankit Kumar; Badoni, Manoj] TIET, Dept	Web of Science
Bimetallic Cu(core)@Zn(shell) co-catal	Bathla, A; Pal, B	Journal Of Industrial And Engine	2019	25	1 Elect & Instrumentat Engr, Patiala 147004, [Bathla, Aadil; Pal, Bonamali] Thapar Inst Engr &	Web of Science
Structural, magnetic, dielectric, micro	Pubby, K; Sharma, P; Narang,	Journal Of Materials Science-Ma	2019	25	0 Technol, Sch Chem & Biochem, Patiala 147004, [Pubby, Kunal; Narang, Sukhleen Bindra] Guru	Web of Science
Open-circuit fault-tolerance in multile	Dewangan, NK; Prakash, T; Ta	Electrical Engineering	2019	25	0 Nanak Dev Univ, Dept Elect Technol, Amritsar [Dewangan, Niraj Kumar] GH Rasoni Inst Engr &	Web of Science
Statistical vertical reduction-based da	Garg, S; Singh, R; Obaidat, MS	International Journal Of Commu	2019	25	0 Technol, Dept Elect Engr, Nagpur, Maharashtra, [Garg, Sheetal; Singh, Raman; Bhalla, Vinod	Web of Science
Performance enhancement of core-sh	Narula, V; Agarwal, M	International Journal Of Electror	2019	25	0 Kumar] Thapar Inst Engr & Technol, Patiala, [Narula, Vishal; Agarwal, Mohit] Thapar Inst Engr	Web of Science
Strength properties and microstructur	Sandhu, RK; Siddique, R	Construction And Building Mate	2019	25	1 & Technol, Dept Elect & Commun Engr, Patiala [Sandhu, Ravinder Kaur; Siddique, Rafat] Thapar	Web of Science
Alignment of polymer dispersed nano	Kaur, R; Bhullar, GK; Raina, K	Journal Of Molecular Liquids	2019	25	1 Inst Engr & Technol, Dept Civil Engr, Patiala, [Kaur, Ramneek; Bhullar, Gurpreet Kaur] Mata	Web of Science
An erosion and corrosion study on the	Singh, J; Kumar, S; Mohapatra	Wear	2019	25	0 Gujri Coll, PG Dept Phys, Fatehgarh Sahib, India; [Singh, Jashanpreet; Mohapatra, S. K.] Thapar Inst	Web of Science
Band gap tuning and surface modifica	Mehta, A; Mishra, A; Basu, S;	Journal Of Environmental Mana	2019	25	2 Engr & Technol, Dept Mech Engr, Patiala 147004, [Mehta, Akansha; Mishra, Amit; Basu, Soumen]	Web of Science
					36 Thapar Inst Engr & Technol, Sch Chem &	Web of Science

Adsorption of CO ₂ on KOH activated c	Singh, J; Bhunia, H; Basu, S	Journal Of Environmental Mana	2019	25	[Singh, Jasminder; Basu, Soumen] Thapar Inst	Web of Science
Modeling and optimization of fixed m	Talwar, S; Verma, AK; Sangal,	Journal Of Environmental Mana	2019	25	4 Engn & Technol, Sch Chem & Biochem, Patiala	Web of Science
Evaluating the role of precursor conce	Gupta, I; Tiwari, KJ; Malar, P;	Applied Surface Science	2019	25	[Talwar, Steffi] Thapar Inst Engn & Technol, Dept	Web of Science
Fusion Dynamics of Compound Nuclei	Sharma, I; Kumar, R; Sharma,	Brazilian Journal Of Physics	2019	25	1 Chem Engn, Patiala, Punjab, India; [Verma, Anoop	Web of Science
0.55 Tb/s heterogeneous Nyquist-WDI	Sharma, D; Prajapati, YK; Trip	Photonic Network Communicati	2019	25	[Gupta, Indu; Mohanty, Bhaskar Chandra] Thapar	Web of Science
Magnetorheological finishing of micro	Singh, M; Singh, AK	Materials And Manufacturing Pr	2019	25	3 Inst Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
An intelligent optimization-based traf	Huo, LW; Jiang, DD; Lv, ZH; Si	Computational Intelligence	2019	25	[Sharma, Ishita; Kumar, Raj; Sharma, Manoj K.]	Web of Science
Strength and micro-structural propert	Gupta, N; Siddique, R	Construction And Building Mate	2019	25	0 Thapar Inst Engn & Technol, Sch Phys & Mat Sci,	Web of Science
A MATLAB Suite for Second Generatio	Goyal, K; Sharma, D	Acta Applicandae Mathematicae	2019	25	[Sharma, Divya] Thapar Inst Engn & Technol, Elect	Web of Science
Word sense disambiguation for Punjal	Singh, VP; Kumar, P	Neural Computing & Applicator	2019	25	0 & Commun Engn Dept, Patiala 147004, Punjab,	Web of Science
Lyapunov stability-Dynamic Back Prop	Kumar, R; Srivastava, S; Mohi	Soft Computing	2019	25	[Singh, Manpreet; Singh, Anant Kumar] Thapar	Web of Science
A novel analytical model for interferer	Singh, SP; Kumar, A; Mishra, S	International Journal Of Commu	2019	25	3 Inst Engn & Technol, Dept Mech Engn, Patiala	Web of Science
Effect of Temperature and Precipitatic	Al Balasmeh, OI; Karmaker, T	Journal Of The Indian Society Of	2019	25	[Huo, Liuwei] Northeastern Univ, Sch Comp Sci &	Web of Science
Effect of hydrodynamic size on colloid	Kaur, N; Chudasama, B	Colloid And Polymer Science	2019	25	0 Engn, Shenyang, Liaoning, Peoples R China; [Jiang,	Web of Science
Synthesis of coral like WO ₃ /g-C ₃ N ₄	ne Singh, J; Arora, A; Basu, S	Journal Of Alloys And Compound	2019	25	[Gupta, Nikita; Siddique, Rafat] Thapar Inst Engn	Web of Science
Carbon Cloth-based Hybrid Materials	: Mishra, A; Shetti, NP; Basu, S;	Chemelectrochem	2019	25	5 & Technol, Dept Civil Engn, Patiala 147004,	Web of Science
Effective design and development of f	Sharma, S; Ghosh, S	Assembly Automation	2019	25	[Goyal, Kavita; Sharma, Deepika] Thapar Inst Engn	Web of Science
Optimizing Fraudulent Firm Prediction	Hooda, N; Bawa, S; Rana, PS	Applied Artificial Intelligence	2019	25	1 & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Automating fake news detection syste	Kaur, S; Kumar, P; Kumaragur	Soft Computing	2019	25	[Singh, Varinder Pal; Kumar, Parteek] Thapar	Web of Science
Adsorptive interaction of 4-aminobip	Toor, SK; Kushwaha, JP; Sang	Physics And Chemistry Of Liquid	2019	25	1 Univ, Comp Sci & Engn Dept, Patiala 147004,	Web of Science
Tree-Based Attack-Defense Model for	Garg, S; Aujla, GS; Kumar, N;	IEEE Consumer Electronics Mag	2019	25	[Kumar, Rajesh] Thapar Inst Engn & Technol, Dept	Web of Science
The multi-faceted high order polymor	Lawania, S; Singh, A; Sharma,	Mutation Research-Reviews In M	2019	25	0 Elect & Instrumentat Engn, Patiala 147004,	Web of Science
Indoor potted plant based biofilter: p	Giri, BS; Sarowgi, A; Kaushik,	Indian Journal Of Experimental E	2019	25	[Singh, S. Pratap; Lakshmanan, M.] Galgotias Coll	Web of Science
					0 Engn & Technol, Dept Elect & Commun Engn,	Web of Science
					[Al Balasmeh, Odai Ibrahim; Karmaker, Tapas]	Web of Science
					0 Thapar Inst Engn & Technol, Dept Civil Engn,	Web of Science
					[Kaur, Navjot; Chudasama, Bhupendra] Thapar	Web of Science
					0 Inst Engn & Technol, Sch Phys & Mat Sci, Lab	Web of Science
					[Singh, Jasminder; Arora, Ankita; Basu, Soumen]	Web of Science
					16 Thapar Inst Engn & Technol, Sch Chem &	Web of Science
					[Mishra, Amit] Bilkent Univ, Dept Chem, TR-06008	Web of Science
					13 Ankara, Turkey; [Shetti, Nagaraj P.] Visvesvaraya	Web of Science
					[Sharma, Sarika] Govt Polytech Coll, Dept Elect	Web of Science
					1 Engn, Ambala, India; [Ghosh, Smarajit] Thapar Inst	Web of Science
					[Hooda, Nishtha] Chandigarh Univ, Comp Sci &	Web of Science
					0 Engn Dept, Mohali, Punjab, India; [Bawa, Seema;	Web of Science
					[Kaur, Sawinder] TIET, Comp Sci & Engn Dept,	Web of Science
					0 Doctoral Res Lab 2, Patiala, Punjab, India; [Kumar,	Web of Science
					[Toor, Sehaspreet Kaur; Kushwaha, Jai Prakash;	Web of Science
					1 Sangal, Vikas Kumar] Deemed Univ, Thapar Inst	Web of Science
					[Garg, Sahil] Univ Quebec, Ecole Technol Super,	Web of Science
					6 Montreal, PQ, Canada; [Aujla, Gagangeet Singh]	Web of Science
					[Lawania, Shweta; Singh, Amrita; Sharma,	Web of Science
					0 Siddharth] Thapar Univ, Dept Biotechnol, Patiala	Web of Science
					[Giri, B. S.; Jaiswal, Abhishek; Sonwani, Ravi;	Web of Science
					0 Singh, R. S.] Indian Inst Technol BHU, Dept Chem	Web of Science

Investigation of hub genes and their n	Singh, SK; Reddy, SM	Indian Journal Of Pharmacology	2019	25	[Singh, Sanjay Kumar; Reddy, Sudhakara M.] 0 Thapar Inst Engn & Technol, Dept Biotechnol,	Web of Science
Tactile-Internet-Based Telesurgery Sys	Gupta, R; Tanwar, S; Tyagi, S; Ieee Network		2019	25	9 Comp Sci & Engn, Ahmadabad, Gujarat, India;	Web of Science
Modelling pressure drop in bends for	Sharma, A; Mallick, SS	Powder Technology	2019	25	[Sharma, Atul; Mallick, S. S.] Thapar Inst Engn & 3 Technol, Dept Mech Engn, Lab Particle & Bulk	Web of Science
Mechanical dry particle coating on col	Sharma, R; Setia, G	Powder Technology	2019	25	[Sharma, Rahul; Setia, Gautam] Thapar Inst Engn 0 & Technol, Dept Mech Engn, Patiala, Punjab, India	Web of Science
Biodiesel production from Terminalia	Marwaha, A; Rosha, P; Mohaj	Energy Reports	2019	25	[Marwaha, Akshey; Mohapatra, Saroj Kumar] 0 Thapar Inst Engn & Technol, Dept Mech Engn,	Web of Science
The multi-faceted high order polymor	Lawania, S; Singh, A; Sharma, Mutation Research-Fundament		2019	25	[Lawania, Shweta; Singh, Amrita; Sharma, 3 Siddharth] Thapar Univ, Dept Biotechnol, Patiala	Web of Science
The microstructure and wear behavior	Kumar, S; Sharma, A; Arora, R	Journal Of Materials Research A	2019	25	[Kumar, Suresh] DRDO, TBRL, Chandigarh, India;	Web of Science
XRCC1 632 as a candidate for cancer p	Singh, A; Singh, N; Behera, D; Future Oncology		2019	25	[Sharma, Anju; Arora, Rama] PGCG, Dept Phys, 0 [Singh, Amrita; Sharma, Siddharth] Thapar Univ,	Web of Science
Blockchain-Based Mutual-Healing Gro	Li, XH; Wang, YW; Vijayakum	Ieee Transactions On Vehicular	2019	25	1 Dept Biotechnol, Patiala 147002, Punjab, India;	Web of Science
Use of Unprocessed Wood Ash as Part	Siddique, R; Singh, M; Singhal	Acii Materials Journal	2019	25	[Li, Xinghua; Wang, Yunwei; Ma, Jianfeng] Xidian 7 Univ, Sch Cyber Engn, Xian, Shaanxi, Peoples R	Web of Science
Experimental and numerical analysis c	Singh, S; Singla, RK	International Communications Ii	2019	25	[Siddique, Rafat; Singhal, Arpit Kumar] Thapar Inst 0 Engn & Technol, Civil Engn Dept, Patiala, Punjab,	Web of Science
Treatment of uncertainties in seismic	Choudhury, T; Kaushik, HB	Soil Dynamics And Earthquake E	2019	25	[Singh, Sarvjeet; Singla, Rohit Kumar] Thapar Inst 1 Engn & Technol, Patiala, Punjab, India	Web of Science
Multimedia blog volume prediction us	Kaur, H; Pannu, HS; Malhi, AK	Multimedia Tools And Applicatic	2019	25	[Choudhury, Trishna] Thapar Inst Engn & Technol, 1 Dept Civil Engn, Patiala 147004, Punjab, India;	Web of Science
Development of polymer abrasive me	Singh, S; Sankar, MR	Proceedings Of The Institution C	2019	25	[Kaur, Harsurinder; Pannu, Husanbir Singh; Malhi, 0 Avleen Kaur] Thapar Inst Engn & Technol, Comp	Web of Science
Thermal decomposition of ferritin cor	Kaur, N; Tiwari, SD	Applied Physics A-Materials Scie	2019	25	[Singh, Sachin] Thapar Inst Engn & Technol, Dept 1 Mech Engn, Patiala 147004, Punjab, India;	Web of Science
Sense disambiguation for Punjabi lang	Singh, VP; Kumar, P	Sadhana-Academy Proceedings	2019	25	[Kaur, Navneet; Tiwari, S. D.] Thapar Inst Engn & 0 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Authenticated key agreement scheme	Jia, XY; He, DB; Kumar, N; Chc	Wireless Networks	2019	25	[Singh, Varinder Pal; Kumar, Parteek] Thapar Inst 0 Engn & Technol, Comp Sci & Engn Dept, Patiala	Web of Science
An energy efficient stable clustering a	Mittal, N; Singh, U; Salgotra, F	Wireless Networks	2019	25	[Jia, Xiaoying] South Cent Univ Nationalities, Sch 9 Math & Stat, Wuhan, Hubei, Peoples R China; [He,	Web of Science
Biodegradation kinetic modeling of ox	Sable, S; Mandal, DK; Ahuja, S	Journal Of Environmental Mana	2019	25	[Mittal, Nitin; Sohi, Balwinder Singh] Chandigarh 1 Univ, Dept Elect & Commun Engn, Mohali 140413,	Web of Science
Color image encryption approach bas	Kaur, M; Kumar, V; Li, L	Neural Computing & Applicator	2019	25	[Sable, Sunil; Ahuja, Sanjeev; Bhunia, Haripada] 3 Thapar Inst Engn & Technol, Dept Chem Engn,	Web of Science
An energy-aware cluster-based stable	Mittal, N; Singh, U; Sohi, BS	Neural Computing & Applicator	2019	25	[Kaur, Manjit; Kumar, Vijay] Thapar Inst Engn & 10 Technol, Dept Comp Sci & Engn, Patiala, Punjab,	Web of Science
On mock theta functions and weight-z	Sharma, S; Rana, M	Ramanujan Journal	2019	25	[Mittal, Nitin; Sohi, Balwinder Singh] Chandigarh 8 Univ, Dept Elect & Commun Engn, Mohali 140413,	Web of Science
Convolution Theorem with Its Derivati	Ranjan, R; Singh, AK; Jindal, N	Circuits Systems And Signal Proc	2019	25	[Sharma, S.; Rana, M.] Thapar Inst Engn & 0 Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
					[Ranjan, Rajeev; Singh, A. K.; Jindal, Neeru] 2 Thapar Inst Engn & Technol, Dept Elect &	Web of Science

A Comprehensive Review of Computa	Singh, D; Kumar, V	Archives Of Computational Metl	2019	25	12 Technol, Patiala 147001, Punjab, India	Web of Science
Selenium and Other Elements in Whe	Skalnaya, MG; Tinkov, AA; Pr	Biological Trace Element Resear	2019	25	1 Ajsuvakova, Olga P.; Grabeklis, Andrei R.; Skalny,	Web of Science
Multi-Resonating Structures for Broad	Negi, D; Khanna, R; Kaur, J	Wireless Personal Communicati	2019	25	0 Thapar Inst Engn & Technol, Dept Elect &	Web of Science
Generalized Ant Colony Optimizer: sw	Kumar, A; Bawa, S	Computing	2019	25	2 Technol, Patiala, Punjab, India	Web of Science
Ram pressure stripping: an analytical	Singh, A; Gulati, M; Bagla, JS	Monthly Notices Of The Royal A	2019	25	0 & Res Mohali, Sect 81, Sahibzada Ajit Singh Nag	Web of Science
Compact meandered RFID tag antenn	Bansal, A; Sharma, S; Khanna,	International Journal Of Rf And I	2019	25	2 Thapar Inst Engn & Technol, Dept Elect &	Web of Science
Agro-waste ash and mineral oxides de	Sharma, G; Singh, K	Ceramics International	2019	25	2 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Mechanical properties of bioactive gla	Kaur, G; Kumar, V; Bains, F; N	Materials Science & Engineering	2019	25	22 Sci, Patiala 147001, Punjab, India; [Kumar, Vishal]	Web of Science
An Improved Illumination Normalizati	Yadav, J; Rajpal, N; Mehta, R	Arabian Journal For Science And	2019	25	1 Indraprastha Univ, Univ Sch Informat & Commun	Web of Science
Performance Optimization of Cognitiv	Kaur, A; Sharma, S; Mishra, A	Arabian Journal For Science And	2019	25	1 Thapar Inst Engn & Technol, Dept Elect &	Web of Science
On Some Improved Versions of Whale	Salgotra, R; Singh, U; Saha, S	Arabian Journal For Science And	2019	25	5 & Technol, Dept ECE, Patiala, Punjab, India; [Saha,	Web of Science
Hygrothermal effects on mechanical j	Singh, K; Saini, JS; Bhunia, H;	Journal Of Composite Materials	2019	25	0 Technol, Mech Engn Dept, Patiala 147004, Punjab,	Web of Science
Design and development of low radar	Sharma, A; Panwar, R; Khann	Microwave And Optical Technol	2019	25	0 Engn & Technol, Dept Elect & Commun Engn,	Web of Science
Electronic states of Zintl-phase solar-c	Imai, M; Kumar, M; Umezawa	Scripta Materialia	2019	25	3 Mat, Tsukuba, Ibaraki 3050047, Japan; [Kumar,	Web of Science
Sensorless DC-link control approach fc	Kumar, V; Singh, M	International Journal Of Electric	2019	25	1 Instrumentat Engn, Patiala 147004, Punjab, India	Web of Science
Low-Voltage Flipped Voltage Follower	Shrivastava, A; Pandey, R; Jini	Wireless Personal Communicati	2019	25	0 Caffey] Deemed Be Univ, Thapar Inst Engn &	Web of Science
Effect of fly ash and metakaolin on pe	Saboo, N; Shivhare, S; Kori, K	Construction And Building Mate	2019	25	11 Kumar] Indian Inst Technol BHU, Dept Civil Engn,	Web of Science
Application of rubberized cement-bas	Pham, PN; Zhuge, Y; Turatsin	Construction And Building Mate	2019	25	1 Australia, Sch NBE, Adelaide, SA, Australia;	Web of Science
Graphene/chitosan-functionalized iro	Bandi, S; Hastak, V; Pavithra,	Journal Of Materials Research	2019	25	2 Srivastav, Ajeet K.] VNIT Nagpur, Dept Met & Mat	Web of Science
Single Muscle Surface EMGs Locomoti	Gupta, R; Agarwal, R	Neurophysiology	2019	25	1 [Gupta, R.; Agarwal, R.] TIET, Patiala, Punjab, India	Web of Science
Molecular insights into the inhibitory	Narang, SS; Goyal, D; Goyal, B	Amino Acids	2019	25	0 Granth Sahib World Univ, Dept Chem, Fac Basic &	Web of Science
Identification of Android malware usir	Deepa, K; Radhamani, G; Vinc	Concurrency And Computations	2019	25	1 Coimbatore, Tamil Nadu, India; [Radhamani, G.]	Web of Science
Enhanced Catalytic Activity of Nano-F	Sharma, N; Guliani, D; Kaur, K	Iranian Journal Of Science And T	2019	25	0 Toor, Amrit Pal] Panjab Univ, Dr SSB Univ Inst	Web of Science

Cul-catalyzed highly regioselective C-H	Kamboj, P; Dutt, S; Chakraborty	Tetrahedron Letters	2019	25	[Kamboj, Priya; Dutt, Sunil; Tyagi, Vikas] Thapar Inst Engr & Technol, Sch Chem & Biochem,	Web of Science
Analysis of computational techniques	Samant, P; Agarwal, R	Neural Computing & Applications	2019	25	[Samant, Piyush; Agarwal, Ravinder] Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
A compact multi-band multi-input	Kumar, N; Khanna, R	International Journal Of Rf And Microwave	2019	25	[Kumar, Naveen; Khanna, Rajesh] Thapar Inst Engr & Technol, Dept Elect & Commun Engr, POB	Web of Science
Improved object recognition results	Gupta, S; Kumar, M; Garg, A	Multimedia Tools And Applications	2019	25	[Gupta, Surbhi] Gokaraju Rangaraju Inst Engr & Technol, Dept Comp Sci & Engr, Hyderabad,	Web of Science
Temperature-dependent crosstalk	Sharma, M; Rai, MK; Khanna, R	Journal Of Computational Electronics	2019	25	[Sharma, Manvi; Rai, Mayank Kumar; Khanna, Rajesh] Thapar Inst Engr & Technol, Dept Elect & Commun Engr,	Web of Science
Breast cancer detection using frequency	Sharma, A; Dua, G; Mulaveesil	Imaging Science Journal	2019	25	[Sharma, Anshul; Mulaveesala, Ravibabu] Indian Inst Technol Ropar, Dept Elect Engr, InfraRed	Web of Science
Analog Building Blocks Using QF	Pandey, R; Kiran, B	Wireless Personal Communications	2019	25	[Pandey, Rishikesh; Kiran, Bhanu] Deemed Univ, Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Effective synthesis of benzimidazoles	Singh, I; Luxami, V; Paul, K	European Journal Of Medicinal Chemistry	2019	25	[Singh, Iqbal; Luxami, Vijay; Paul, Kamaldeep] Thapar Inst Engr & Technol, Sch Chem & Biochem,	Web of Science
Blockchain for smart communities: A	Aggarwal, S; Chaudhary, R; Anand, P	Journal Of Network And Computer Applications	2019	25	[Aggarwal, Shubhani; Chaudhary, Rajat; Kumar, Neeraj] Thapar Inst Engr & Technol, Comp Sci & Technol, Patiala, Punjab, India	Web of Science
Sensing, Controlling, and IoT Infrastructure	Verma, A; Prakash, S; Srivastava, A	IEEE Sensors Journal	2019	25	[Verma, Anurag; Prakash, Surya] Thapar Inst Engr & Technol, EIED, Patiala 147004, Punjab, India;	Web of Science
Synthesis of sulphur enriched carbon	Singh, J; Bhunia, H; Basu, S	Chemical Engineering Journal	2019	25	[Singh, Jasminder; Basu, Soumen] Thapar Inst Engr & Technol Deemed Univ, Sch Chem & Biochem,	Web of Science
A note on solving multi-objective	Kushwah, P; Sharma, V	Annals Of Operations Research	2019	25	[Kushwah, Prerna; Sharma, Vikas] Thapar Inst Engr & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Analysis of Temperature-Dependent	Kaur, T; Rai, MK; Khanna, R	Physica Status Solidi A-Applications And Materials	2019	25	[Kaur, Tajinder; Rai, Mayank Kumar; Khanna, Rajesh] Thapar Inst Engr & Technol, Dept Elect & Commun Engr,	Web of Science
Super-Resolution Ultrasound Imaging	Ghosh, D; Peng, J; Brown, K; Sengupta, S	Journal Of Ultrasound In Medicine	2019	25	[Ghosh, Debabrata] Thapar Inst Engr & Technol, Dept Elect & Commun Engr, Patiala, Punjab,	Web of Science
Designing a strategic framework for	Kiran, R; Singh, S	Custos E Agronegocio On Line	2019	25	[Kiran, Ravi] Thapar Inst Engr & Technol, Sch Humanities & Social Sci, Patiala 147004, Punjab,	Web of Science
Machine learning based optimal	Sharma, A; Kakkar, A	Wireless Networks	2019	25	[Sharma, Amandeep; Kakkar, Ajay] Thapar Inst Engr & Technol, Patiala, Punjab, India; [Sharma, Vishan Kumar; Rana, Prashant Singh]	Web of Science
Toxicity prediction of small drug	Gupta, VK; Rana, PS	Journal Of Bioinformatics And Computational Biology	2019	25	[Gupta, Vishan Kumar; Rana, Prashant Singh] Thapar Inst Engr & Technol, Comp Sci & Engr	Web of Science
A comprehensive model for the drying	Sharma, J; Arya, RK; Verros, G	Progress In Organic Coatings	2019	25	[Sharma, Jyoti] Thapar Inst Engr & Technol, Sch Chem & Biochem, Bhadson Rd, Patiala 147004,	Web of Science
Stackelberg Game for Energy-Aware	Aujla, GS; Singh, M; Kumar, N	IEEE Transactions On Cloud Computing	2019	25	[Aujla, Gagangeet Singh; Kumar, Neeraj] Thapar Univ, Comp Sci & Engr Dept, Patiala 147004,	Web of Science
Fission analysis of Z=114 superheavy	Kaur, G; Sharma, MK	Journal Of Radioanalytical And Nuclear Chemistry	2019	25	[Kaur, Gurjit; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Higher-Order Iteration Schemes for	Alqahtani, HF; Behl, R; Kansal, A	Mathematics	2019	25	[Alqahtani, Hessah Faihan] King Abdulaziz Univ, Dept Math, Campus Rabigh 21911, Rabigh, Saudi Arabia	Web of Science
Effect of different stabilizers on	Singla, S; Achanta, VG; Pandey, Om	Optical Materials	2019	25	[Singla, Shivani; Pandey, Om Prakash] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
A GENERALIZATION OF G-METRIC	Jain, K; Kaur, J	Mathematical Inequalities & Applications	2019	25	[Jain, Kapil; Kaur, Jatinderdeep] Thapar Inst Engr & Technol, Sch Math, Patiala, Punjab, India	Web of Science

Genetic Investigation of Polymorphic (Singh, A; Singh, N; Behera, D; Pathology & Oncology Research	2019	25	[Singh, Amrita; Sharma, Siddharth] Thapar Univ, 4 Dept Biotechnol, Patiala 147002, Punjab, India;	Web of Science
Strength and abrasion resistance of ro Saluja, S; Goya, S; BhattacharjAdvances In Concrete Construct	2019	25	0 Technol, Dept Civil Engr, Patiala 147004, Punjab,	Web of Science
A Novel Jaya-BAT Algorithm Based Po Kaur, A; Sharma, S; Mishra, A Wireless Personal Communicati	2019	25	0 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Nature Inspired Optimization Algorith Kaur, A; Sharma, S; Mishra, A Wireless Personal Communicati	2019	25	0 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Performance Enhancement of Passive Kaur, A; Sharma, S Wireless Personal Communicati	2019	25	0 & Technol, Dept Elect & Commun Engr, Patiala,	Web of Science
An Efficient and Provably Secure Auth Ma, MM; He, D; Wang, HQ; K IEEE Internet Of Things Journal	2019	25	6 & Engr, Zhengzhou 450001, Henan, Peoples R	Web of Science
A Provably Secure and Lightweight An Banerjee, S; Odelu, V; Das, AK IEEE Internet Of Things Journal	2019	25	5 Jadavpur Univ Salt Lake City, Dept Informat	Web of Science
A novel hybrid metaheuristic algorithr Ganguli, S; Kaur, G; Sarkar, P Neural Computing & Applicator	2019	25	1 Ganguli, Souvik; Kaur, Gagandeep] Thapar Inst	Web of Science
Design, optimization and critical analy Kumar, Y; Mishra, R; Panwar, Optical And Quantum Electronic	2019	25	0 Indian Inst Informat Technol Design & Mfg	Web of Science
Introduction and realization of four fr Pandey, S; Dourla, V; Dwivedi Nonlinear Dynamics	2019	25	2 Elect & Instrumentat Engr Dept, Patiala 147001,	Web of Science
Evaluation and optimization of the prc Singla, J; Sangal, VK; Verma, A Process Safety And Environmen	2019	25	0 & Technol, Sch Energy & Environm, Patiala,	Web of Science
Analysis of CNT reinforced polymer na Negi, A; Bhardwaj, G; Saini, JS Theoretical And Applied Fractur	2019	25	1 Kishore; Godara, R. K.] Thapar Inst Engr &	Web of Science
Switched capacitors 9-level module (S Bhatnagar, P; Agrawal, R; Dev let Electric Power Applications	2019	25	2 Engr, Bhopal, India; [Agrawal, Rekha] Sagar Inst	Web of Science
BLENDING TYPE APPROXIMATION BY (Goyal, M; Agrawal, PN Mathematica Slovaca	2019	25	0 Patiala, Sch Math, Patiala 147004, Punjab, India;	Web of Science
Design and performance analysis of a Negi, D; Khanna, R; Kaur, J International Journal Of Microw	2019	25	0 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Bond graph approach for dynamic mo Singh, R; Bera, TK Journal Of The Brazilian Society	2019	25	0 Engr & Technol, Patiala 147001, Punjab, India	Web of Science
Super compact ultrathin quad-band w Singh, HS Microwave And Optical Technol	2019	25	0 Elect & Commun Engr, Patiala 147004, Punjab,	Web of Science
Comment on "Least-squares approach Al-Qudaimi, A; Kumar, A Soft Computing	2019	25	1 Engr & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Crosstalk estimation of 21.12 Tb/S Ny Goyal, S; Kaler, RS; Singh, H let Optoelectronics	2019	25	2 Commun Res Lab OFCR, Patiala 147004, Punjab,	Web of Science
Classification of drug molecules for ox Verma, N; Singh, H; Khanna, I let Systems Biology	2019	25	1 Rana, Prashant Singh] Thapar Inst Engr &	Web of Science
Free space and user proximity analysis Singh, HS; Upadhyay, R; Shub International Journal Of Rf And I	2019	25	0 Inst Engr & Technol, Dept Elect & Commun Engr,	Web of Science
Computational design and evaluation Shuaib, S; Narang, SS; Goyal, I Journal Of Cellular Biochemistry	2019	25	4 Deepti] Sri Guru Granth Sahib World Univ, Fac	Web of Science
An improved median filtering anti-for Singh, K; Kansal, A; Singh, G Multidimensional Systems And	2019	25	0 TIET, Dept Elect & Commun Engr, Patiala, Punjab,	Web of Science

Multimedia analysis for disguised voice	Singh, MK; Singh, AK; Singh, N	Multimedia Tools And Applications	2019	25	[Singh, Mahesh K.; Singh, Narendra] JUET, Dept 1 ECE, Guna, MP, India; [Singh, A. K.] Thapar Univ, [Kaur, Gurjit; Sharma, Manoj K.] Thapar Inst Engr	Web of Science
Fission mass distribution of various substances	Kaur, G; Sharma, MK	Nuclear Physics A	2019	25	2 & Technol, Sch Phys & Mat Sci, Patiala 147004, [Kaur, Amandeep; Kaur, Gurjit; Sharma, Manoj K.]	Web of Science
Across barrier fission analysis of ^{235}U	Kaur, A; Kaur, G; Patra, SK; Shrivastava, V	Nuclear Physics A	2019	25	1 Thapar Inst Engr & Technol, Sch Phys & Mat Sci, [Narula, Vishal; Agarwal, Mohit] Thapar Inst Engr	Web of Science
Enhanced performance of double gate MOSFETs	Narula, V; Agarwal, M	Semiconductor Science And Technology	2019	25	2 & Technol, Dept Elect & Commun Engr, Patiala [Garg, Harish; Rani, Dimple] Deemed Univ, Thapar	Web of Science
Exponential, Logarithmic and Compensatory Group Decision Making	Garg, H; Rani, D	Group Decision And Negotiation	2019	25	5 Inst Engr & Technol, Sch Math, Patiala 147004, [Babbar, Atul; Jain, Vivek; Gupta, Dheeraj] Thapar	Web of Science
Thermogenesis mitigation using ultrasound	Babbar, A; Jain, V; Gupta, D	Journal Of The Brazilian Society For Medical Physics	2019	25	3 Inst Engr & Technol, Mech Engr Dept, Patiala [Kaur, Kanwarpreet; Jindal, Neeru; Singh, Kulbir]	Web of Science
Improved homomorphic filtering using wavelet transform	Kaur, K; Jindal, N; Singh, K	Multimedia Tools And Applications	2019	25	2 Thapar Inst Engr & Technol, Dept Elect & [Singh, Jatinder Pal; Mohapatra, S. K.] Thapar	Web of Science
An experimental study on head loss coefficient	Singh, JP; Kumar, S; Mohapatra, S	Proceedings Of The Institution Of Engineers	2019	25	1 Univ, Thapar Inst Engr & Technol, Dept Mech [Narang, Mahak; Singh, Mandeep] Thapar Inst	Web of Science
Correlational analysis of heart rate variability	Narang, M; Singh, M	Transactions Of The Institute Of Engineers	2019	25	0 Engr & Technol, Dept Elect & Instrumentat Engr, [Goyal, Richa; Kumar, Satish] Thapar Inst Engr &	Web of Science
Quantifying viscoelastic, piezoelectric and piezoresistive properties of carbon nanotubes	Goyal, R; Kumar, S	Smart Materials And Structures	2019	25	2 Technol, Sch Math, Patiala 147004, Punjab, India [Kaur, Kanwarpreet; Jindal, Neeru; Singh, Kulbir]	Web of Science
Riesz fractional order derivative in fractional calculus	Kaur, K; Jindal, N; Singh, K	Digital Signal Processing	2019	25	1 Thapar Inst Engr & Technol, Dept Elect & [Ranjan, Rajeev; Jindal, Neeru; Singh, A. K.]	Web of Science
A sampling theorem for fractional Fourier transform	Ranjan, R; Jindal, N; Singh, AK	Digital Signal Processing	2019	25	0 Thapar Inst Engr & Technol, Dept Elect & [Kaur, Mandeep] Baba Banda Singh Bahadur Engr	Web of Science
Impact of La ₂ O ₃ /Y ₂ O ₃ ratio on crystal structure and properties of Y ₂ O ₃ :Eu ³⁺ phosphor	Kaur, M; Kaur, G; Kumar, V	Journal Of Non-Crystalline Solids	2019	25	1 Coll, Fatehgarh Sahib 140406, India; [Kaur, [Kaur, Sandeep; Chopra, Neetu] Kanya Maha	Web of Science
Spectroscopic, thermal and structural analysis of Y ₂ O ₃ :Eu ³⁺ phosphor	Kaur, S; Pandey, OP; Jayasankar, V	Journal Of Non-Crystalline Solids	2019	25	4 Vidyalaya, Dept Phys, Jalandhar 144004, Punjab, [Singla, Shivani; Pandey, Om Prakash] Thapar Inst	Web of Science
Z-scan study of nonlinear absorption and refractive index of ZnO nanoparticles	Singla, S; Pandey, OP; Sharma, V	Journal Of Non-Crystalline Solids	2019	25	3 Engr & Technol, Sch Phys & Mat Sci, Patiala [Goyal, Richa; Kumar, Satish] Thapar Inst Engr &	Web of Science
Quantifying viscoelastic, piezoelectric and piezoresistive properties of carbon nanotubes	Goyal, R; Kumar, S	Plasma Physics And Controlled Fusion	2019	25	0 Technol, Sch Math, Patiala 147004, Punjab, India [Singh, Rajmeet; Bera, Tarun Kumar] Thapar Inst	Web of Science
Fault detection, isolation and reconfiguration of power distribution network	Singh, R; Bera, TK	Simulation-Transactions Of The Institution Of Engineers	2019	25	0 Engr & Technol, Mech Engr Dept, Patiala 147004, [Chani, Kulwinder Singh; Saini, J. S.] Thapar Inst	Web of Science
Accelerated weathering of bolted joint	Chani, KS; Saini, JS; Bhunia, H	Proceedings Of The Institution Of Engineers	2019	25	0 Engr & Technol, Dept Mech Engr, Bhupindra Rd, [Walia, Arminder Singh; Srivastava, Vineet; Jain,	Web of Science
Impact of copper-titanium carbide coating on the corrosion behavior of Ti-6Al-4V alloy	Walia, AS; Srivastava, V; Jain, V	Materials Research Express	2019	25	1 Vivek] Thapar Inst Engr & Technol, Dept Mech [Singh, Ratnesh Kumar Raj; Sharma, Satish Kumar]	Web of Science
Effect of cooling environment and weld metal composition on the fatigue crack growth rate of Ti-6Al-4V alloy	Singh, RKR; Prasad, R; Pandey, V	International Journal Of Fatigue	2019	25	3 Thapar Inst Engr & Technol, Patiala 147001, [Kumar, Sushil; Kumar, Vipin; Dohare, Upasana]	Web of Science
Towards green communication in wireless sensor networks	Kumar, S; Kumar, V; Kaiwarty, A	Hoc Networks	2019	25	5 Jawaharlal Nehru Univ, Sch Comp & Syst Sci, New [Singh, S. K.; Singh, I., V; Mishra, B. K.] Indian Inst	Web of Science
Analysis of cracked functionally graded composite structures	Singh, SK; Singh, IV; Mishra, B	Composite Structures	2019	25	6 Technol Roorkee, Dept Mech & Ind Engr, Roorkee [Kaushal, Sarbjeet; Gupta, Dheeraj; Bhowmick,	Web of Science
On processing of Ni-Cr ₃ C ₂ based functionally graded composites	Kaushal, S; Gupta, D; Bhowmi, A	Materials Research Express	2019	25	1 Hiralal] Thapar Inst Engr & Technol, Mech Engr	Web of Science

Multiple types of exact solutions and	Kaur, B; Gupta, RK	Pramana-Journal Of Physics	2019	25	[Kaur, Bikramjeet] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India; [Gupta, Rathod, Dinesh W.; Sun, Yongle; Roy, Matthew J.]	Web of Science
Effect of multiple passes on Luders/yi	Rathod, DW; Sun, YL; Obasi, C	Journal Of Materials Science	2019	25	2 Univ Manchester, Sch Mech Aerosp & Civil Engn, [Sharma, Piyush; Pandey, O. P.] Thapar Inst Engn	Web of Science
Non-isothermal kinetics of pseudo-coi	Sharma, P; Pandey, OP; Diwai Fuel		2019	25	9 & Technol, Sch Phys & Mat Sci, Patiala 147004, [Mahla, Sunil Kumar; Singh, Jujhar] IK Gujral	Web of Science
Trend and time series analysis by ARIN	Mahla, SK; Parmar, KS; Singh,	Energy Sources Part A-Recovery	2019	25	1 Punjab Tech Univ, Dept Mech Engn, Kapurthala, [Kaushal, A. K.; Mittal, M. K.] Thapar Inst Engn &	Web of Science
Performance study of an improved ba	Kaushal, AK; Mittal, MK	International Journal Of Green E	2019	25	0 Technol, Mech Engn Dept, Patiala 147004, Punjab, [Narang, Simranjeet Singh; Shuaib, Suniba; Goya,	Web of Science
In silico-guided identification of poten	Narang, SS; Shuaib, S; Goya, C	Journal Of Biomolecular Structu	2019	25	3 Deepti] Sri Guru Granth Sahib World Univ, Fac [Paswan, Sunil K.; Singh, Anant K.] Thapar Inst	Web of Science
Theoretical and experimental investig	Paswan, SK; Singh, AK	Proceedings Of The Institution C	2019	25	2 Engn & Technol, Dept Mech Engn, Patiala 147004, [Arora, Vinay; Leekha, Rohan; Singh, Raman;	Web of Science
Heart sound classification using machi	Arora, V; Leekha, R; Singh, R;	Modern Physics Letters B	2019	25	3 Chana, Inderveer] Thapar Inst Engn & Technol, [Gupta, Geetika; Baranwal, Manoj; Saxena, Sanjai;	Web of Science
Utilization of Banana Stem Juice as a F	Gupta, G; Baranwal, M; Saxer	Clean-Soil Air Water	2019	25	0 Reddy, Mondem Sudhakara] Thapar Inst Engn & [Tathgir, Surinder; Rathod, Dinesh W.; Batish,	Web of Science
A-TIG welding process for enhanced-p	Tathgir, S; Rathod, DW; Batish	Materials And Manufacturing Pr	2019	25	1 Ajay] Thapar Inst Engn & Technol, Dept Mech [Bhatia, Tarunpreet; Verma, A. K.] Thapar Inst	Web of Science
Towards a secure incremental proxy ri	Bhatia, T; Verma, AK; Sharma,	Concurrency And Computation-i	2019	25	1 Engn & Technol, Dept Comp Sci & Engn, Patiala [Singh, Jasmeet] Thapar Inst Engn & Technol,	Web of Science
A novel unsupervised corpus-based st	Singh, J; Gupta, V	Knowledge-Based Systems	2019	25	1 Patiala, Punjab, India; [Gupta, Vishal] Panjab Univ, [Agnihotri, Shekhar] Thapar Inst Engn & Technol,	Web of Science
Impact of background water quality o	Agnihotri, S; Mukherji, S; Mu	Chemical Engineering Journal	2019	25	9 Dept Biotechnol, Bhadson Rd, Patiala 147004, [Goyal, Ashish; Gumber, Deepak] Thapar Inst	Web of Science
On the Probability That an Automorph	Goyal, A; Kalra, H; Gumber, D	American Mathematical Monthl	2019	25	0 Engn & Technol, Sch Math, Patiala 147004, [Madaan, Nikita; Sharma, Sapna] Thapar Inst Engn	Web of Science
Effects of multi-phase optimal velocity	Madaan, N; Sharma, S	International Journal Of Moderr	2019	25	0 & Technol, Sch Math, Patiala 147004, Punjab, [Singh, Hari] Jaypee Univ Informat Technol, Comp	Web of Science
An improved integrated Grid and Map	Singh, H; Bawa, S	Concurrency And Computation-i	2019	25	0 Sci & Engn & Informat Technol Dept, Wagnaghat, [Singh, Jashanpreet] Thapar Inst Engn & Technol,	Web of Science
Analysis on suitability of HVOF sprayer	Singh, J	Industrial Lubrication And Tribol	2019	25	2 Dept Mech Engn, Patiala, Punjab, India [Sharma, Kapil; Mallick, S. S.; Mittal, Anu] Thapar	Web of Science
An evaluation of testing and modeling	Sharma, K; Mallick, SS; Mittal,	Particulate Science And Technol	2019	25	1 Inst Engn & Technol, Dept Mech Engn, Lab [Kumar, Vijay] Thapar Univ, Comp Sci & Engn	Web of Science
Gene Expression Data Clustering Usin	Kumar, V; Kumar, D	lete Journal Of Research	2019	25	3 Dept, Patiala, Punjab, India; [Kumar, Dinesh] Guru [Feng, Qi; He, Debiao] Wuhan Univ, Sch Cyber Sci	Web of Science
Ideal Lattice-Based Anonymous Authe	Feng, Q; He, DB; Zeadally, S; k	IEEE Systems Journal	2019	25	16 & Engn, Key Lab Aerosp Informat Secur & Trusted [Vora, Jayneel; Kaneriya, Shriya; Tanwar, Sudeep]	Web of Science
TILAA: Tactile Internet-based Ambient	Vora, J; Kaneriya, S; Tanwar, S	Future Generation Computer Sy	2019	25	5 Nirma Univ, Inst Technol, Dept Comp Sci & Engn, [Bhardwaj, Rupali] Thapar Inst Engn & Technol,	Web of Science
Enhanced reversible data hiding scher	Bhardwaj, R	Journal Of Electronic Imaging	2019	25	0 Comp Sci Engn Dept, Patiala, Punjab, India [Rani, Sujata] TIET, CSED, Patiala, Punjab, India;	Web of Science
A sentiment analysis system for social	Rani, S; Kumar, P	Digital Scholarship In The Humai	2019	25	1 [Kumar, Parteek] TIET, Patiala, Punjab, India	Web of Science

Roles of bulk viscosity on transonic shock waves	Bhola, S; Sengupta, TK	Physics Of Fluids	2019	25	[Bhola, Sahil] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala 147004, Punjab, India;	Web of Science
A Systematic Review on Imbalanced Data Classification	Kaur, H; Pannu, HS; Malhi, AK	Acm Computing Surveys	2019	25	[Kaur, Harsurinder; Pannu, Husanbir Singh; Malhi, Avleen Kaur] Thapar Inst Engn & Technol, CSED,	Web of Science
Comprehensive Study of Continuous Time Series Forecasting	Kaur, P; Pannu, HS; Malhi, AK	Acm Computing Surveys	2019	25	[Kaur, Parminder; Pannu, Husanbir Singh; Malhi, Avleen Kaur] Thapar Inst Engn & Technol, CSED,	Web of Science
Lightweight and Physically Secure Authentication Scheme for Industrial IoT	Gope, P; Das, AK; Kumar, N;	Ieee Transactions On Industrial Informatics	2019	25	[Gope, Prosanta; Cheng, Yongqiang] Univ Hull, Dept Comp Sci & Technol, Kingston Upon Hull	Web of Science
Detoxification of toxic heavy metals by immobilized bacteria	Mukherjee, A; Yadav, R; Marr	International Biodeterioration & Biodegradation	2019	25	[Mukherjee, Arkadeep; Reddy, M. Sudhakara] Thapar Inst Engn & Technol, Dept Biotechnol,	Web of Science
QRS complex detection using fractional Fourier transform	Bajaj, A; Kumar, S	Biomedical Signal Processing And Analysis	2019	25	[Bajaj, Aditi; Kumar, Sanjay] Thapar Inst Engn & Technol, Dept Elect & Commun Engn, Biomed	Web of Science
Tensile behaviour and characterization of carbon fiber reinforced polymer	Raturi, M; Singh, BJ; Shelly, D;	Materials Research Express	2019	25	[Raturi, Madhav; Shelly, Daksh; Singh, Karanbir; Nanda, Tarun] Thapar Inst Engn & Technol, Mech	Web of Science
Green synthesis of SnO2 NPs for solar photocatalysis	Singh, J; Kaur, H; Kukkar, D;	Materials Research Express	2019	25	[Singh, Jagpreet; Kukkar, Deepak; Rawat, Mohit] Sri Guru Granth Sahib World Univ, Dept	Web of Science
Multifunctional Mono-Triazole Derivatives for Anticancer Activity	Kaur, A; Narang, SS; Kaur, A;	Chemical Research In Toxicology	2019	25	[Kaur, Amandeep; Narang, Simranjeet Singh; Kaur, Anupamjeet; Mann, Sukhmani; Goyal,	Web of Science
A Hybrid Deep Learning-Based Model for Network Anomaly Detection	Garg, S; Kaur, K; Kumar, N;	Ieee Transactions On Network And Internet Management	2019	25	[Garg, Sahil; Kaur, Kuljeet; Kaddoum, Georges] Univ Quebec, Elect Engn Dept, Ecole Technol	Web of Science
Influence of laboratory and waste management on solar energy potential	Gupta, A; Brar, LK; Pandey, OI	Solar Energy	2019	25	[Gupta, Aayush; Brar, Loveleen K.; Pandey, O. P.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci,	Web of Science
An improved anti-forensic technique for document forgery detection	Kumar, A; Kansal, A; Singh, K	Multimedia Tools And Applications	2019	25	[Kumar, Amit; Kansal, Ankush; Singh, Kulbir] TIET, Dept Elect & Commun Engn, Patiala, Punjab, India	Web of Science
TOIL and damped-SOGI control of a synchronous motor	Singh, N; Jain, SK	Control Engineering Practice	2019	25	[Singh, Nagendra; Jain, Sanjay K.] Thapar Inst Engn & Technol, Patiala, Punjab, India	Web of Science
Issues and challenges in DNS based network security	Singh, M; Singh, M; Kaur, S	Computers & Security	2019	25	[Singh, Manmeet; Singh, Maninder; Kaur, Sanmeet] Thapar Univ, Comp Sci & Engn Dept,	Web of Science
Workspace analysis and trajectory tracking control of a robotic arm	Arora, R; Agarwal, D; Bera, TK	Journal Of The Brazilian Society For Mechanical Engineering	2019	25	[Arora, Rashmi] Chandigarh Univ, Dept Mech Engn, Gharuan 140413, Mohali, India; [Agarwal,	Web of Science
A Comprehensive Review on Smart Data Analytics for Industrial IoT	Moreira, MWL; Rodrigues, JJF	Ieee Systems Journal	2019	25	[Moreira, Mario W. L.] Inst Fed Educ Ciencia & Technol Ceara, BR-62800000 Aracati, CE, Brazil;	Web of Science
Commentary on "A geometric approach to the design of a robotic arm"	Kaur, A; Kumar, A	Computers & Industrial Engineering	2019	25	[Kaur, Arshdeep; Kumar, Amit] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science
In Situ Measurement of Dielectric Properties of Polymers	Gaur, AM; Rana, DS	Journal Of Inorganic And Organometallic Chemistry	2019	25	[Gaur, Anshu Mli] TIET, Elect & Instrumentation Engn Dept, Patiala, Punjab, India; [Rana, Dinesh Singh]	Web of Science
Toxicity and degradation of the insecticide chlorpyrifos in water	Kaur, R; Goyal, D	Environmental Chemistry Letters	2019	25	[Kaur, Ravneet; Goyal, Dinesh] Thapar Inst Engn & Technol, Dept Biotechnol, Patiala 147001, Punjab,	Web of Science
Thermally-Aware Modeling and Performance Analysis of a Nanoelectronic Device	Jindal, PK; Sandha, KS	Journal Of Nanoelectronics And Optoelectronics	2019	25	[Jindal, Pardeep Kumar; Sandha, Karmjit Singh] Thapar Inst Engn & Technol, Patiala 147001,	Web of Science
C-HMOSHSSA: Gene selection for cancer diagnosis	Sharma, A; Rani, R	Computer Methods And Programs In Biomedicine	2019	25	[Sharma, Aman; Rani, Rinkle] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala, Punjab,	Web of Science
Tree-Based Threshold-Sensitive Energy Efficient Routing Protocol for Wireless Personal Area Networks	Mittal, N; Singh, U; Salgotra, f	Wireless Personal Communications	2019	25	[Mittal, Nitin] Chandigarh Univ, Dept Elect & Commun Engn, Mohali 140413, Punjab, India;	Web of Science
Signed distance ranking based approach for multi-criteria decision making	Ebrahimnejad, A; Verdegay, J	International Journal Of Intelligent Systems	2019	25	[Ebrahimnejad, Ali] Islamic Azad Univ, Dept Math, Qaemshahr Branch, Qaemshahr, Iran; [Verdegay,	Web of Science

CO2 capture by modified porous carb	Singh, J; Basu, S; Bhunia, H	Journal Of The Taiwan Institute	2019	25	[Singh, Jasminder; Basu, Soumen] Thapar Inst	Web of Science
A modified split ring resonator based	Kaur, J; Maiti, P	International Journal Of Rf And I	2019	25	2 Engr & Technol, Sch Chem & Biochem, Patiala [Kaur, Jaswinder; Maiti, Paramita] Thapar Inst	Web of Science
Bond Graph Modelling and Simulation	Soharu, G; Singh, R; Bera, TK	Arabian Journal For Science And	2019	25	1 Engr & Technol, Dept Elect & Commun Engr, [Soharu, G.; Singh, R.; Bera, T. K.] Earlier Thapar	Web of Science
Estimation of soil properties from the	Singh, S; Kasana, SS	Geoderma Regional	2019	25	0 Univ, Deemed Univ, Thapar Inst Engr & Technol, [Singh, Simranjit; Kasana, Singara Singh] Thapar	Web of Science
Experimental and Numerical Investiga	Beena, K; Naveen, K; Shruti, S	Iranian Journal Of Science And T	2019	25	0 Inst Engr & Technol, Comp Sci & Engr Dept, [Beena, Kumari; Naveen, Kwatra; Shruti, Sharma]	Web of Science
Retrofitting of Shear-Deficient RC Be	Garg, V; Bansal, PP; Sharma, F	Iranian Journal Of Science And T	2019	25	0 Thapar Univ, Dept Civil Engr, Patiala 147001, [Garg, Varun; Bansal, Prem Pal; Sharma, Raju]	Web of Science
A Network-Coded Caching-Based Mull	Lal, N; Kumar, S; Chaurasiya, V	Iranian Journal Of Science And T	2019	25	0 Thapar Inst Engr & Technol, Dept Civil Engr, [Lal, Nidhi] Thapar Univ, Dept Comp Sci & Engr,	Web of Science
Intuitionistic Fuzzy Hamacher Aggrega	Garg, H	Iranian Journal Of Science And T	2019	25	1 Patiala 147004, Punjab, India; [Kumar, Shishupal; [Garg, Harish] Deemed Univ, Thapar Inst Engr &	Web of Science
Gravitational search assisted algorithm	Sharma, A; Jain, SK	Electric Power Systems Researc	2019	25	22 Technol, Sch Math, Patiala 147004, Punjab, India [Sharma, Akanksha; Jain, Sanjay K.] Thapar Inst	Web of Science
Effect of molecular weight on residual	Sharma, J; Ahuja, S; Arya, RK	Progress In Organic Coatings	2019	25	0 Engr & Technol, Patiala, Punjab, India [Sharma, Jyoti] Thapar Inst Engr & Technol, Sch	Web of Science
A unified model for the drying of glass	Sharma, J; Arya, RK; Verros, G	Progress In Organic Coatings	2019	25	0 Chem & Biochem, Bhadson Rd, Patiala 147004, [Sharma, Jyoti] Thapar Inst Engr & Technol, Sch	Web of Science
Depth profile study of poly(styrene) -	Sharma, J; Ahuja, S; Arya, RK	Progress In Organic Coatings	2019	25	1 Chem & Biochem, Bhadson Rd, Patiala 147004, [Sharma, Jyoti] Deemed Univ, Sch Chem &	Web of Science
Review on titanium and titanium base	Kaur, M; Singh, K	Materials Science & Engineering	2019	25	0 Biochem, Thapar Inst Engr & Technol, Bhadson [Kaur, Manmeet; Singh, K.] Thapar Inst Engr &	Web of Science
TOPSIS based on nonlinear-programm	Garg, H; Kaur, G	Computational & Applied Math	2019	25	76 Technol, Sch Phys & Mat Sci, Patiala 147004, [Garg, Harish; Kaur, Gagandeep] Thapar Inst Engr	Web of Science
High order WENO finite volume appro	Kumar, S; Singh, P	Applied Mathematics And Comp	2019	25	7 & Technol Deemed Univ, Sch Math, Patiala [Kumar, Santosh; Singh, Paramjeet] Thapar Inst	Web of Science
Utilizing Electric Vehicles and Renewa	Dutta, A; Prakash, S	lete Journal Of Research	2019	25	0 Engr & Technol, Sch Math, Patiala 147004, [Dutta, Ankush; Prakash, Surya] Thapar Inst Engr	Web of Science
Growth and properties of solvotherm	Zaman, MB; Mir, RA; Poolla, F	International Journal Of Hydrog	2019	25	0 & Technol, Elect & Instrumentat Engr Dept, [Zaman, M. Burhanuz; Poolla, Rajaram] Jiwaji	Web of Science
HMM-based phonetic engine for cont	Kaur, R; Sharma, RK; Kumar, F	Modern Physics Letters B	2019	25	6 Univ, Sch Studies Phys, Gwalior 474011, India; [Kaur, Rupinderdeep; Sharma, R. K.; Kumar,	Web of Science
A review on control-relevant glucose-i	Bhonsle, S; Saxena, S	Proceedings Of The Institution C	2019	25	0 Parteek] Thapar Inst Engr & Technol, Comp Sci & [Bhonsle, Sakshi; Saxena, Sahaj] Thapar Inst Engr	Web of Science
Efficient data management and contr	Sayeed, MA; Kumar, R; Sharr	International Journal Of Commu	2019	25	0 & Technol, Elect & Instrumentat Engr Dept, [Sayeed, Mohd Abuzar; Kumar, Rajesh] Thapar	Web of Science
Fusion-fission dynamics of Pt-188,Pt-1	Kavita; Golda, KS; Ghosh, TK;	Physical Review C	2019	25	1 Inst Engr & Technol, Dept Comp Sci & Engr, [Kavita; Kumar, Rakesh; Singh, Hardev]	Web of Science
Amyloid formation from partially and	Bhattacharya, M; Dogra, P; M	Abstracts Of Papers Of The Ame	2019	25	1 Kurukshetra Univ, Dept Phys, Kurukshetra [Bhattacharya, Mily] Thapar Inst Engr & Technol,	Web of Science
A novel voting ensemble model for sp	Sachdeva, S; Bhatia, T; Verma	International Journal Of Remote	2019	25	0 Sch Chem & Biochem, Patiala, Punjab, India; [Sachdeva, Shruti; Bhatia, Tarunpreet; Verma, Anil	Web of Science
					1 K.] Thapar Inst Engr & Technol, Dept Comp Sci &	Web of Science

A hybrid fuzzy quantum time series an	Singh, P; Dhiman, G; Guo, S; I	Modern Physics Letters A	2019	25	[Singh, Pritpal] Smt Chandaben Mohanbhai Patel	2	Inst Comp Applicat, CHARUSAT Campus Changa,	Web of Science
Model Order Reduction of Commensu	Jain, S; Hote, YV; Saxena, S	Iete Technical Review	2019	25	[Jain, Shivann; Hote, Yogesh, V] Indian Inst	2	Technol, Dept Elect Engr, Roorkee 247667, Uttar	Web of Science
Some results on information measure	Garg, H; Rani, D	International Journal Of Intellige	2019	25	[Garg, Harish; Rani, Dimple] Deemed Univ, Thapar	9	Inst Engr & Technol, Sch Math, Patiala 147004,	Web of Science
Effects of SiC, Al2O3, and ZrO2 particl	Kumar, V; Sharma, V	Particulate Science And Technol	2019	25	[Kumar, Vinod] Thapar Univ, Mech Engr Dept,	1	Patiala, Punjab, India; [Sharma, Vikas] NorthCap	Web of Science
Load frequency control of multi-area l	Dutta, A; Prakash, S	Environmental Progress & Susta	2019	25	[Dutta, Ankush; Prakash, Surya] Thapar Univ, Dept	0	Elect & Instrumentat Engr, Patiala 147004,	Web of Science
Bidirectional rotating actuators using	Kim, Y; Jang, T; Gurung, H; M	Sensors And Actuators A-Physic	2019	25	[Kim, Youngshik; Jang, Taesoo; Ryu, Bongjo; Shin,	2	Buhyun] Hanbat Natl Univ, Dept Mech Engr,	Web of Science
Enhanced microwave absorption and	Gill, N; Sharma, AL; Gupta, V;	Journal Of Alloys And Compoun	2019	25	[Gill, Nisha; Pandey, O. P.; Singh, Dwijendra P.]	4	Thapar Inst Engr & Technol, Sch Phys & Mat Sci,	Web of Science
Interfacial exchange coupling driven n	Pahwa, C; Narang, SB; Sharm	Journal Of Magnetism And Magi	2019	25	[Pahwa, Chhavi; Sharma, Puneet] Thapar Inst	5	Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Hybrid coagulation, gamma irradiator	Changotra, R; Rajput, H; Guin	Chemical Engineering Journal	2019	25	[Changotra, Rahil; Rajput, Himadri; Dhir, Amit]	10	Thapar Inst Engr & Technol, Sch Energy &	Web of Science
Balanced Performance Enhancements	Jung, YS; Han, CS; Mohanty, B	Advanced Electronic Materials	2019	25	[Jung, Ye Seul; Han, Chan Su; Choi, Hongje; Cho,	0	Yong Soo] Yonsei Univ, Dept Mat Sci & Engr,	Web of Science
Insights into the inhibitory mechanisr	Saini, RK; Shuaib, S; Goyal, D;	Journal Of Biomolecular Structu	2019	25	[Saini, Rajneet Kaur; Shuaib, Suniba; Goyal,	7	Deepti] Sri Guru Granth Sahib World Univ, Fac	Web of Science
Automatic clustering using quantum-t	Kumar, D; Kumar, V; Kumari, I	Modern Physics Letters A	2019	25	[Kumar, Dinesh] Delhi Technol Univ, Elect &	1	Commun Engr Dept, Delhi, India; [Kumar, Vijay]	Web of Science
Electro-oxidation of amoxicillin trihyd	Kaur, R; Kushwaha, JP; Singh,	Science Of The Total Environme	2019	25	[Kaur, Ravneet; Kushwaha, Jai Prakash; Singh,	10	Neetu] Thapar Inst Engr & Technol, Chem Engr	Web of Science
RAD-El: A routing attack detection sch	Wazid, M; Dsouza, PR; Das, A	International Journal Of Commu	2019	25	[Wazid, Mohammad; Dsouza, Poonam Reshma;	4	Bhat, Vivekananda K.] Manipal Acad Higher Educ,	Web of Science
Multimaterial printing and characteriz	Kumar, S; Singh, R; Singh, TP;	Proceedings Of The Institution C	2019	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar	5	Inst Engr & Technol, Dept Mech Engr, Patiala,	Web of Science
Development of high ductile ultra high	Poddar, D; Ghosh, C; Bhattach	Materials Science And Engineeri	2019	25	[Poddar, Debasis; Ghosh, Chiradeep;	3	Bhattacharya, Basudev] Tata Steel Ltd, R&D,	Web of Science
New Biphenyl-Based Bispyrazolines: S	Yusuf, M; Nisa, S; Paul, K	Journal Of Heterocyclic Chemist	2019	25	[Yusuf, Mohamad; Nisa, Shehneela] Punjabi Univ,	1	Dept Chem, Patiala 147002, Punjab, India; [Paul,	Web of Science
Fission fragmentation analysis of At-2	Kaur, A; Sharma, MK	Indian Journal Of Pure & Applie	2019	25	[Kaur, Amandeep; Sharma, Manoj K.] Thapar Inst	0	Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Automatic clustering and feature sele	Kumar, V; Kumar, D	Neural Computing & Applicator	2019	25	[Kumar, Vijay] Thapar Univ, Comp Sci & Engr	1	Dept, Patiala, Punjab, India; [Kumar, Dinesh]	Web of Science
Efficient zone identification approach	Singh, H; Sharma, RK; Singh, \	Neural Computing & Applicator	2019	25	[Singh, Harjeet; Sharma, R. K.; Singh, V. P.] Thapar	1	Univ, Comp Sci & Engr Dept, Patiala 147004,	Web of Science
Efficacy of supplementary cementitio	Sharma, R; Bansal, PP	Advances In Concrete Construct	2019	25	[Sharma, Raju; Bansal, Prem Pal] Thapar Inst Engr	5	& Technol, Civil Engr Dept, Patiala 147001,	Web of Science
TACTILE INTERNET FOR AUTONOMOU	Tanwar, S; Tyagi, S; Budhiraja	IEEE Wireless Communications	2019	25	[Tanwar, Sudeep] Nirma Univ, Dept Comp Sci &	6	Engr, Ahmadabad, Gujarat, India; [Tyagi,	Web of Science
Estimation of Trace Level Cadmium(II)	Kaushal, S; Badru, R; Singh, P;	Journal Of Analytical Chemistry	2019	25	[Kaushal, Sandeep; Badru, Rahul; Singh, Pritpal]	0	Sri Guru Granth Sahib World Univ, Dept Chem,	Web of Science

Microwave filter characteristics of ferrite	Singh, C; Bai, Y; Narang, SB; Srivastava, M	Journal Of Materials Science-Materials	2019	25	[Singh, Charanjeet] Lovely Profess Univ, Dept ECE, Phagwara, Punjab, India; [Bai, Yang] Univ Sci & Technology, Jalandhar, Punjab, India	Web of Science
An efficient authentication scheme for multimedia	Kaur, G; Kasana, SS; Sharma, I	Multimedia Tools And Applications	2019	25	[Kaur, Gagandeep; Kasana, Singara Singh] Thapar Inst Engrg & Technol, Comp Sci & Engrg Dept, Patiala, Punjab, India	Web of Science
Study on the nature of distribution of ferrite	Singla, S; Prabhu, SS; Pandey, A	Journal Of Materials Science-Materials	2019	25	[Singla, Shivani; Sharma, Gopi] Kanya Maha Vidyalaya, Dept Phys, Jalandhar 144004, Punjab, India	Web of Science
An Advanced Study on Operations of Ferrite	Garg, H; Kumar, K	National Academy Science Letters	2019	25	[Garg, Harish; Kumar, Kamal] Deemed Univ, Thapar Inst Engrg & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Algae-based metallic nanoparticles: Synthesis	Khanna, P; Kaur, A; Goyal, D	Journal Of Microbiological Methods	2019	25	[Khanna, Prerna; Kaur, Amrit; Goyal, Dinesh] Thapar Inst Engrg & Technol Deemed Univ, Dept Chem, Patiala, Punjab, India	Web of Science
Isolation and enhancement of resveratrol	Dwivedi, V; Kalia, S; Saxena, S	Molecular Biology Reports	2019	25	[Dwivedi, Vagish; Kalia, Shreya; Saxena, Sanjai] Thapar Inst Engrg & Technol, Dept Biotechnol, Patiala, Punjab, India	Web of Science
A Novel Approach to ECG R-Peak Detection	Kaur, A; Agarwal, A; Agarwal, A	Arabian Journal For Science And Technology	2019	25	[Kaur, Amandeep; Agarwal, Alpana; Kumar, Sanjay] Thapar Inst Engrg & Technol, Dept Elect & Instrumentat Engrg, Patiala 147003, Punjab, India	Web of Science
A Novel Approach of Congestion Management	Batra, I; Ghosh, S	Arabian Journal For Science And Technology	2019	25	[Batra, Indu; Ghosh, Smarajit] TIET, Dept Elect & Instrumentat Engrg, Patiala 147003, Punjab, India	Web of Science
Magnetorheological nano-finishing of Inconel	Chana, A; Singh, AK	International Journal Of Advanced Manufacturing Technology	2019	25	[Chana, Anirudh; Singh, Anant Kumar] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
A new approach in interpreting some	Sharma, S; Rana, M	International Journal Of Numerical Analysis	2019	25	[Sharma, Vipin Kumar; Kumar, Vinod] Thapar Inst Engrg & Technol, Patiala, Punjab, India	Web of Science
Study on material transfer and surface	Sharma, VK; Kumar, V	Journal Of The Brazilian Society For Materials Science	2019	25	[Sharma, Jindal, Komal; Upadhyay, Rahul; Singh, Hari Shankar] Thapar Inst Engrg & Technol, Dept Elect & Technol, Patiala, Punjab, India	Web of Science
Application of tunable-Q wavelet transform	Jindal, K; Upadhyay, R; Singh, A	Analog Integrated Circuits And Systems	2019	25	[Wu, Libing; Zhang, Yubo] Wuhan Univ, Comp Sch, Wuhan, Hubei, Peoples R China; [Ma, Mimi] Chaudhary, Rajat; Aggarwal, Shubhani; Kumar, Neeraj] Thapar Inst Engrg & Technol, Comp Sci & Technol, Patiala, Punjab, India	Web of Science
Certificateless searchable public key	Wu, LB; Zhang, YB; Ma, MM; Ma, M	Annals Of Telecommunications	2019	25	[Sharma, Jyoti] Thapar Inst Engrg & Technol, Sch Chem & Biochem, Bhadson Rd, Patiala 147004, Punjab, India	Web of Science
BEST: Blockchain-based secure energy	Chaudhary, R; Jindal, A; Aujla, A	Computers & Security	2019	25	[Singh, Hari Shankar] Thapar Inst Engrg & Technol, Dept Elect & Commun Engrg, Patiala 147004, Punjab, India	Web of Science
Drying induced phase separation in polyimide	Sharma, J; Arya, RK; Ahuja, S	Journal Of Porous Materials	2019	25	[Chawla, Priyanka] Lovely Profess Univ, Sch Comp Sci & Engrg, Phagwara 144411, India; [Chana, Bhullar, Supreet S.; Batish, Ajay] Thapar Univ, Patiala, Punjab, India	Web of Science
Metamaterial inspired CPW-fed compact	Singh, HS; Kalraiya, S; Meshra, S	International Journal Of Rf And Microwave Engineering	2019	25	[Sharma, Himanshu; Sandha, Karmjit Singh] Thapar Inst Engrg & Technol, Dept ECE, Patiala, Punjab, India	Web of Science
Framework for cloud-based software	Chawla, P; Chana, I; Rana, A	Software-Practice & Experience	2019	25	[Mishra, Akansha; Kumar, Amit] Thapar Inst Engrg & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Research article: The impact of academic	Bhullar, SS; Nangia, VK; Batish, A	Technological Forecasting And Social Change	2019	25	[Kaur, Chandanpreet; Kumar, Ravi] Thapar Univ, Dept Elect & Commun Engrg, Patiala, Punjab, India	Web of Science
Thermally Aware Modeling and Performance	Sharma, H; Sandha, KS	Journal Of Electronic Materials	2019	25	[Rani, Sujata; Kumar, Parteek] Thapar Inst Engrg & Technol, CSED, Patiala, Punjab, India	Web of Science
Commentary on "New aggregation operators"	Mishra, A; Kumar, A	Pattern Analysis And Applications	2019	25	[Rana, Madhvi; Mittal, Susheel K.] Thapar Univ, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
A fuzzy hierarchy-based pattern matching	Kaur, C; Kumar, R	Soft Computing	2019	25		
A journey of Indian languages over several	Rani, S; Kumar, P	Artificial Intelligence Review	2019	25		
The impact of crop residue burning (CROPP)	Rana, M; Mittal, SK; Beig, G; Firdous, F	Journal Of Earth System Science	2019	25		

Graphitic carbon nitride (g-C ₃ N ₄)-based	Mishra, A; Mehta, A; Basu, S; Carbon	2019	25	[Mishra, Amit; Mehta, Akansha; Basu, Soumen]	97 Thapar Inst Engr & Technol, Sch Chem &	Web of Science
Effect of Zr doping and aging on optical	Sharma, J; Gupta, A; Pandey, V; Ceramics International	2019	25	[Sharma, Jayanti] Mt Carmel Coll Autonomous,	6 Dept Nanosci & Technol, Bangalore 560052,	Web of Science
Sharing app for farm mechanization: C	Sengupta, T; Narayanamurthy; Computers In Industry	2019	25	[Sengupta, Tuhin] Indian Inst Management	2 Indore, Dept Operat Management & Quantitat	Web of Science
Experimental investigation on effect of	Sharma, VK; Kumar, V; Joshi, I; Materials Research Express	2019	25	[Sharma, Vipin Kumar; Kumar, Vinod; Joshi,	0 Ravinder Singh] Thapar Inst Engr & Technol,	Web of Science
Microwave processing and characterization	Singh, S; Gupta, D; Jain, V; Materials Research Express	2019	25	[Singh, Satnam] NorthCap Univ, Mech Engr Dept,	0 Gurgaon, Haryana, India; [Gupta, Dheeraj; Jain,	Web of Science
Photoluminescent enhancement with	Priya, R; Pandey, OP; Journal Of Luminescence	2019	25	[Priya, Ruby; Pandey, O. P.] Thapar Inst Engr &	7 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Highly efficient CaCO ₃ -CaO extracted	Bathla, A; Singla, D; Pal, B; Materials Research Bulletin	2019	25	[Bathla, Aadil; Singla, Deepak; Pal, Bonamali]	1 Thapar Inst Engr & Technol, Sch Chem &	Web of Science
Rotary ultrasonic milling of C/SiC com	Babbar, A; Sharma, A; Jain, V; Materials Research Express	2019	25	[Babbar, Atul; Sharma, Akash; Jain, Vivek] Thapar	4 Inst Engr & Technol, Mech Engr Dept, Patiala	Web of Science
Development and performance evaluation	Walia, AS; Jain, V; Srivastava, Materials Research Express	2019	25	[Walia, Arminder Singh; Jain, Vivek; Srivastava,	2 Vineet] Thapar Inst Engr & Technol, Dept Mech	Web of Science
Novel neutrality operation-based Pyth	Garg, H; International Journal Of Intelligence	2019	25	[Garg, Harish] Thapar Inst Engr & Technol, Sch	18 Math, Patiala 147004, Punjab, India	Web of Science
Zernike moments-based fingerprint re	Kaur, H; Pannu, HS; Modern Physics Letters B	2019	25	[Kaur, Harinder] Sri Guru Granth Sahib World	5 Univ, Dept Math, Fatehgarh Sahib, Punjab, India;	Web of Science
Utilization of textile sludge in cement	Goyal, S; Siddique, R; Jha, S; S; Construction And Building Mate	2019	25	[Goyal, Shweta; Siddique, Rafat; Jha, Sujant;	2 Sharma, Devender] Thapar Inst Engr & Technol,	Web of Science
A comprehensive review on recent ad	Malhotra, A; Kaur, S; Transactions On Emerging Telec	2019	25	[Malhotra, Atul; Kaur, Sanmeet] Thapar Inst Engr	1 & Technol, Dept Comp Sci & Engr, Patiala 147004,	Web of Science
Polymorphisms in GSTM1 and GSTT1 i	Walia, HK; Verma, U; Singh, N; British Journal Of Biomedical Sci	2019	25	[Walia, H. K.; Verma, U.; Sharma, S.] Thapar Univ,	1 Dept Biotechnol, Patiala 147004, Punjab, India;	Web of Science
Collective enhancement in nuclear lev	Mohanto, G; Parihari, A; Rout; Physical Review C	2019	25	[Mohanto, G.; Parihari, A.; Rout, P. C.; De, S.;	1 Mirgule, E. T.; Srinivasan, B.; Mahata, K.; Behera,	Web of Science
Study on barium titanate and graphen	Sharma, R; Singh, R; Batish, A; Journal Of Thermoplastic Compl	2019	25	[Sharma, Ravinder; Batish, Ajay] Thapar Inst Engr	6 & Technol, Dept Mech Engr, Patiala, Punjab,	Web of Science
Modified reduced device multilevel in	Dewangan, NK; Gupta, KK; Bh; International Transactions On El	2019	25	[Dewangan, Niraj Kumar] Natl Inst Technol	0 Raipur, Dept Elect Engr, Raipur, Madhya Pradesh,	Web of Science
Efficient Volumetric Absorption Solar	Singh, N; Khullar, V; Scientific Reports	2019	25	[Singh, Nirmal; Khullar, Vikrant] Thapar Inst Engr	5 & Technol, Mech Engr Dept, Patiala 147004,	Web of Science
Development and performance analysis	Kumar, V; Bera, TK; Bhattach; Materials And Manufacturing Pr	2019	25	[Kumar, Vinod; Bera, Tarun K.] Thapar Inst Engr &	0 Technol, Mech Engr Dept, Patiala, Punjab, India;	Web of Science
Design of Fractional Order PID Control	Lamba, R; Singla, SK; Sondhi, I; Electric Power Components And	2019	25	[Lamba, Ruchika; Singla, Sunil Kumar; Sondhi,	1 Swati] Thapar Inst Engr & Technol, Elect &	Web of Science
Computational Intelligence Technique	Goyal, M; Khanna, D; Rana, P; Frontiers In Neurology	2019	25	[Goyal, Mehendi; Baranwal, Manoj] Thapar Inst	0 Engr & Technol, Dept Biotechnol, Patiala, Punjab,	Web of Science
Tactile internet and its applications in	Gupta, R; Tanwar, S; Tyagi, S; International Journal Of Commu	2019	25	[Gupta, Rajesh; Tanwar, Sudeep] Nirma Univ, Inst	11 Technol, Dept Comp Sci & Engr, Ahmadabad,	Web of Science
Porous carbons derived from polyethy	Kaur, B; Singh, J; Gupta, RK; B; Journal Of Environmental Mana	2019	25	[Kaur, Balpreet; Gupta, Raj Kumar; Bhunia,	4 Haripada] Deemed Univ, Thapar Inst Engr &	Web of Science

Quantitative analysis of microstructure	Sharma, VK; Kumar, V; Joshi, I	Machining Science And Technol	2019	25	[Sharma, Vipin Kumar; Kumar, Vinod; Joshi, Ravinder Singh] Thapar Inst Engn & Technol, Dept	Web of Science
New fluoroquinolone compounds with	Salunke, RA; Shukla, M; Kaul,	Chemical Biology & Drug Design	2019	25	[Salunke, Ramkrushna Ashok; Chhibber, Manmohan] Thapar Inst Engn & Technol, Sch	Web of Science
Content-based image retrieval based	Singh, VP; Srivastava, R; Pathak	Modern Physics Letters B	2019	25	[Singh, Vibhav Prakash] Motilal Nehru Natl Inst Technol Allahabad, Prayagraj 211004, Uttar	Web of Science
Low voltage ride through capability	Roy, AK; Basak, P; Biswal, GR	1st Generation Transmission & C	2019	25	[Roy, Amit Kumar; Basak, Prasenjit] Thapar Inst Engn & Technol, Elect & Instrumentat Engn Dept,	Web of Science
Multiattribute decision making based	Garg, H; Kumar, K	Expert Systems	2019	25	[Garg, Harish; Kumar, Kamal] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Investigations of polylactic acid reinforcement	Kumar, S; Singh, R; Singh, TP;	Proceedings Of The Institution C	2019	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala,	Web of Science
Zero-power consuming intruder identification	Vivekananthan, V; Alluri, NR;	Journal Of Materials Chemistry C	2019	25	[Vivekananthan, Venkateswaran; Alluri, Nagamalleswara Rao; Chandrasekhar,	Web of Science
An exponentially fitted numerical technique	Sangwan, V; Kaur, B	International Journal Of Comput	2019	25	[Sangwan, Vivek; Kaur, Brehmit] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab,	Web of Science
Simulating longitudinal vibrations of cantilever	Singh, I; Kaur, B; Khun, KK	European Journal Of Physics	2019	25	[Singh, I; Khun, K. Khun] Khalsa Coll, PG Dept Phys, Amritsar 143005, Punjab, India; [Kaur, B.]	Web of Science
SYNTHESIS, CHARACTERIZATION, ADSORPTION	Tiwari, D; Bhunia, H; Bajpai, P	Brazilian Journal Of Chemical En	2019	25	[Tiwari, Deepak; Bhunia, Haripada; Bajpai, Pramod K.] Thapar Inst Engn & Technol, Dept	Web of Science
Single channel EMG-based continuous monitoring	Gupta, R; Agarwal, R	Biocybernetics And Biomedical I	2019	25	[Gupta, Rohit; Agarwal, Ravinder] Thapar Univ, EIED, Patiala 147001, Punjab, India	Web of Science
Machine learning-based novel approach for	Kaur, A	Biocybernetics And Biomedical I	2019	25	[Kaur, Amanpreet] Thapar Inst Engn & Technol, Patiala, Punjab, India	Web of Science
Influence of nuclear surface diffusion	Rajni; Sharma, MK	International Journal Of Moderr	2019	25	[Rajni; Sharma, Manoj K.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala, Punjab, India	Web of Science
Analysis of competing ground state transitions	Sharma, K; Sharma, MK	International Journal Of Moderr	2019	25	[Sharma, Kanishka; Sharma, Manoj K.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
A novel approach for coordinated operation	Ahuja, H; Kumar, P	Computers & Electrical Engineer	2019	25	[Ahuja, Hemant] ABES Engn Coll, EE Dept, Ghaziabad 201009, Uttar Pradesh, India; [Kumar, Pawan] Thapar Inst Engn & Technol, Elect	Web of Science
Introduction to the Special Section on	Kumar, P; Nikolovski, S; Ali, I	Computers & Electrical Engineer	2019	25	[Kumar, Pawan] Thapar Inst Engn & Technol, Elect & Instrumentat Engn, Patiala, Punjab, India; [Moreira, Mario W. L.; Rodrigues, Joel J. P. C.]	Web of Science
Averaged one-dependence estimators	Moreira, MWL; Rodrigues, JJF	Computers & Electrical Engineer	2019	25	[Moreira, Mario W. L.; Rodrigues, Joel J. P. C.] Univ Beira Interior, Inst Telecomunicacoes,	Web of Science
Single image defogging by gain gradient	Singh, D; Kumar, V	Science China-Information Scien	2019	25	[Singh, Dilbag] Chandigarh Univ, Apex Inst Technol, Comp Sci & Engn Dept, Mohali 140413,	Web of Science
Efficient Three-Step Class of Eighth-Order	Alharbey, RA; Kansal, M; Behl	Symmetry-Basel	2019	25	[Alharbey, R. A.; Behl, Ramandeep] King Abdulaziz Univ, Dept Math, Jeddah 21589, Saudi Arabia;	Web of Science
Multi-objective particle swarm optimization	Pannu, HS; Singh, D; Malhi, A	Neural Computing & Applicatio	2019	25	[Pannu, Husanbir Singh; Singh, Dilbag; Malhi, Avleen Kaur] Thapar Univ, Patiala, Punjab, India	Web of Science
Nanoindentation and Bending Fracture	Kim, DB; Lee, SM; Jang, JW; N	Advanced Engineering Materials	2019	25	[Kim, Da Bin; Lee, Seung Min; Jang, Jin Woo; Cho, Yong Soo] Yonsei Univ, Dept Mat Sci & Engn,	Web of Science
TCALAS: Temporal Credential-Based Authentication	Srinivas, J; Das, AK; Kumar, N;	IEEE Transactions On Vehicular	2019	25	[Srinivas, Jangirala] OP Jindal Global Univ, Jindal Global Business Sch, Sonapat 131001, Haryana,	Web of Science
Synthesis of Ethyl Phenol over Modified	Saharan, R; Halder, G; Barman	International Journal Of Chemic	2019	25	[Saharan, Renuka; Barman, Sanghamitra] Thapar Inst Engn & Technol, Dept Chem Engn, Patiala	Web of Science

High Performance CMOS Current Mirror	Caffey; Pandey, R	Journal Of Circuits Systems And	2019	25	[Caffey; Pandey, Rishikesh] Thapar Inst Engn & Technol, Dept Elect & Commun Engn, Patiala,	Web of Science
Dual hybrid medical watermarking using	Bamal, R; Kasana, SS	Multimedia Tools And Applications	2019	25	[Bamal, Roopam; Kasana, Singara Singh] Thapar Inst Engn & Technol, Comp Sci & Engn Dept,	Web of Science
Standoff Detection and Identification of	Gulati, KK; Gulia, S; Gambhir, N	Defence Science Journal	2019	25	[Gulati, Kamal Kumar; Gulia, Sanjay; Kumar, Nitesh; Gambhir, Vijayeta; Reddy, M. N.] DRDO	Web of Science
Rheology of Fumed Silica and Polyethylene	Singh, M; Verma, SK; Biswas, N	Defence Science Journal	2019	25	[Singh, Mansi; Mehta, Rajeev] Thapar Univ, Dept Chem Engn, Patiala 147004, Punjab, India;	Web of Science
Enhanced Performance of CNT-doped	Mittal, SK; Kumar, S; Kaur, N	Electroanalysis	2019	25	[Mittal, Susheel K.; Kumar, Sanjeev] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala	Web of Science
Investigation of rare earth particulate	Sharma, VK; Kumar, V; Joshi, I	Journal Of Materials Research And	2019	25	[Sharma, Vipin Kumar; Kumar, Vinod; Joshi, Rauinder Singh] Meerut Inst Engn & Technol,	Web of Science
A healthcare monitoring system using	Kaur, P; Kumar, R; Kumar, M	Multimedia Tools And Applications	2019	25	[Kaur, Pavleen; Kumar, Ravinder] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala,	Web of Science
Blockchain-Based Distributed Framework	Sharma, PK; Kumar, N; Park, J	IEEE Transactions On Industrial Informatics	2019	25	[Sharma, Pradip Kumar; Park, Jong Hyuk] Seoul Natl Univ Sci & Technol, Dept Comp Sci & Engn,	Web of Science
Single molecular platform displaying	P Kumar, G; Rani, R; Paul, K; Lu, Y	Journal Of Photochemistry And Photobiology	2019	25	[Kumar, Gulshan; Rani, Richa; Paul, Kamaldeep; Luxami, Vijay] Thapar Inst Engn & Technol, Sch	Web of Science
Al ³⁺ induced hydrolysis of rhodamine	Mehta, R; Kaur, P; Choudhury, J	Journal Of Photochemistry And Photobiology	2019	25	[Mehta, Ruhii; Kaur, Pawandeep; Choudhury, Diptiman; Paul, Kamaldeep; Luxami, Vijay] Thapar	Web of Science
Security against Attacks and Malicious	Jolly, PK; Batra, S	Wireless Personal Communications	2019	25	[Jolly, Prabhjot Kaur; Batra, Shalini] Thapar Univ, Dept Comp Sci, Patiala, Punjab, India	Web of Science
High Precision Low-Voltage WTA/LTA	Pandey, R; Singh, S	Wireless Personal Communications	2019	25	[Pandey, Rishikesh; Singh, Sahib] Deemed Be Univ, Dept Elect & Commun Engn, Thapar Inst	Web of Science
Effect of mixing parameters, postcuring	Sharma, B; Chhibber, R; Mehta, S	Proceedings Of The Institution Of Chemical Engineers	2019	25	[Sharma, Bikramjit] Thapar Univ, Dept Mech Engn, Patiala, Punjab, India; [Chhibber, Rahul]	Web of Science
MEMS based tin oxide thin film gas sensor	Sachdeva, S; Agarwal, R; Agarwal, A	Microsystem Technologies-Microelectronics	2019	25	[Sachdeva, Smriti; Agarwal, Ravinder] Thapar Inst Engn & Technol, Patiala 147001, Punjab, India;	Web of Science
Recycling and utilization of agro-food waste	Sharma, G; Singh, K	Journal Of Material Cycles And Waste	2019	25	[Sharma, Gaurav sssssss s s; Singh, K.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Effect of compression ratio on combustion	Rosha, P; Mohapatra, SK; Malhotra, S	Energy	2019	25	[Rosha, Pali; Dhir, Amit] Thapar Inst Engn & Technol Patiala, Sch Energy & Environm, Patiala,	Web of Science
Ammonium-based deep eutectic solvent	Sharma, B; Singh, N; Kushwaha, S	Journal Of Molecular Liquids	2019	25	[Sharma, Bandhana; Singh, Neetu; Kushwaha, Jai Prakash] Thapar Inst Engn & Technol, Dept Chem	Web of Science
KnRVEA: A hybrid evolutionary algorithm	Dhiman, G; Kumar, V	Applied Intelligence	2019	25	[Dhiman, Gaurav; Kumar, Vijay] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala 147004,	Web of Science
Matrix Product State-Based Quantum	Bhatia, AS; Saggi, MK; Kumar, M	Neural Computation	2019	25	[Bhatia, Amandeep Singh; Saggi, Mandeep Kaur; Kumar, Ajay; Jain, Sushma] Thapar Inst Engn &	Web of Science
Chemically activated nanoporous carbon	Kaur, B; Gupta, RK; Bhunia, H	Microporous And Mesoporous Materials	2019	25	[Kaur, Balpreet; Gupta, Raj Kumar; Bhunia, Haripada] Deemed Be Univ, Dept Chem Engn,	Web of Science
Multi-objective accelerated particle swarm	Adhikari, M; Srirama, SN	Journal Of Network And Computer Applications	2019	25	[Adhikari, Mainak] Thapar Inst Engn & Technol, Dept Comp Sci & Engn, Patiala, Punjab, India;	Web of Science
Quaternary polymeric coatings as alternative	Prashar, A; Sharma, J; Ahuja, S	Progress In Organic Coatings	2019	25	[Prashar, Anubhav; Ahuja, Sanjeev; Chandra, Avinash] Thapar Inst Engn & Technol, Dept Chem	Web of Science
Effect of molecular weight on morphology	Sharma, J; Ahuja, S; Arya, RK	Progress In Organic Coatings	2019	25	[Sharma, Jyoti] Deemed Be Univ, Thapar Inst Engn & Technol, Sch Chem & Biochem, Bhadson Rd,	Web of Science

A hybrid intelligent technique for mod	Ganguli, S; Kaur, G; Sarkar, P	Soft Computing	2019	25	[Ganguli, Souvik; Kaur, Gagandeep] Thapar Univ, 2 Dept Elect & Instrumentat Engn, Patiala 147004,	Web of Science
Influence of co-catalyst amount/size f	Aulakh, MK; Pal, B	Advanced Powder Technology	2019	25	[Aulakh, Manpreet Kaur; Pal, Bonamali] Thapar 1 Inst Engn & Technol, Sch Chem & Biochem,	Web of Science
A multipoint tool positioning method	Sharma, SK; Duvedi, RK; Bedi,	International Journal Of Machin	2019	25	[Sharma, Sandeep Kumar; Duvedi, Ravinder 2 Kumar] Thapar Inst Engn & Technol, Patiala,	Web of Science
Facile sono-chemical synthesis of nan	Rajrana, K; Gupta, A; Mir, RA;	Physica B-Condensed Matter	2019	25	[Rajrana, Kajal; Gupta, Aayush; Mir, Rameez 7 Ahmad; Pandey, O. P.] Thapar Inst Engn &	Web of Science
On processing and flexural behaviour	Kaushal, S; Gupta, D; Bhowmi	Materials Research Express	2019	25	[Kaushal, Sarbjeet] Gulzar Grp Inst, Mech Engn 1 Dept, Ludhiana, Punjab, India; [Gupta, Dheeraj;	Web of Science
MH-CACA: multi-objective harmony se	Singh, S; Kumar, P	Enterprise Information Systems	2019	25	[Singh, Surjit] Natl Inst Technol Kurukshetra, Dept 4 Comp Engn, Kurukshetra, Haryana, India; [Kumar,	Web of Science
Interesting makeover of strontium he	Kaur, P; Singh, S; Kumar, V; Ti	Journal Of Alloys And Compound	2019	25	[Kaur, Paramdeep; Singh, Sneha; Singhal, Sonal] 2 Panjab Univ, Dept Chem, Chandigarh 160014,	Web of Science
CO2 capture on activated carbon from	Kaur, B; Gupta, RK; Bhunia, H	Chemical Engineering Communi	2019	25	[Kaur, Balpreet; Gupta, Raj Kumar; Bhunia, 0 Haripada] Thapar Inst Engn & Technol, Dept Chem	Web of Science
A convoluntional feature map-based de	Kaur, B; Bhattacharya, J	Expert Systems With Applicator	2019	25	[Kaur, Baljit; Bhattacharya, Jhilik] Thapar Inst Engn 3 & Technol, Dept Comp Sci & Engn, Patiala, Punjab,	Web of Science
Corresponding state behaviour of capi	Singh, SK; Mehta, A	Molecular Simulation	2019	25	[Singh, Sudhir K.; Mehta, Anjali] Thapar Inst Engn 0 & Technol, Dept Chem Engn, Patiala, Punjab, India	Web of Science
New generalised Bonferroni mean agg	Garg, H; Rani, D	Journal Of Experimental & Theo	2019	25	[Garg, Harish; Rani, Dimple] Thapar Inst Engn & 6 Technol Deemed Univ, Sch Math, Patiala 147004,	Web of Science
Design of a patch antenna with square	Gupta, A; Kansal, A; Chawla, F	International Journal Of Electror	2019	25	[Gupta, Anupma; Kansal, Ankush] Thapar Univ, 2 ECED, Patiala, Punjab, India; [Chawla, Paras]	Web of Science
Design and development of resonant l	Jain, A; Yadav, RP; Kumar, S	let Microwaves Antennas & Proj	2019	25	[Jain, Abhinav; Yadav, Rana Pratap] Thapar Inst 1 Engn & Technol, Elect & Commun Dept, Patiala	Web of Science
Fine structure effect among heavy-ion	Kaur, A; Sharma, MK	European Physical Journal A	2019	25	[Kaur, Amandeep; Sharma, Manoj K.] Thapar Inst 1 Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Protection of concrete structures undr	Joshi, S; Goyal, S; Mukherjee,	Construction And Building Mate	2019	25	[Joshi, Sumit; Reddy, M. Sudhakara] Thapar Inst 1 Engn & Technol, Dept Biotechnol, Patiala 147004,	Web of Science
Synthesis and in vitro evaluation of na	Singh, I; Luxami, V; Paul, K	Organic & Biomolecular Chemis	2019	25	[Singh, Iqbal; Luxami, Vijay; Paul, Kamaldeep] 3 Thapar Univ, Sch Chem & Biochem, Patiala	Web of Science
Evaluation and mechanism of cationic	Mahajan, S; Singh, N; Kushwa	Chemical Engineering Communi	2019	25	[Mahajan, Suchita; Rajor, Anita] Thapar Inst Engn 1 & Technol, Sch Energy & Environm, Patiala,	Web of Science
A sampling theorem with error estima	Ranjan, R; Jindal, N; Singh, AK	Integral Transforms And Special	2019	25	[Ranjan, Rajeev; Jindal, Neeru; Singh, A. K.] 2 Thapar Inst Engn & Technol, Elect & Commun	Web of Science
Activity assessment of small drug mol	Gupta, VK; Rana, PS	let Systems Biology	2019	25	[Gupta, Vishan Kumar; Rana, Prashant Singh] 2 Thapar Inst Engn & Technol, Comp Sci & Engn	Web of Science
Optimum generation scheduling of co	Kaur, A; Narang, N	Electrical Engineering	2019	25	[Kaur, Arunpreet; Narang, Nitin] Thapar Inst Engn 3 & Technol, Dept Elect & Instrumentat Engn,	Web of Science
Adopting Bricolage to Overcome Reso	Hota, PK; Mitra, S; Qureshi, I	Management And Organization	2019	25	[Hota, Pradeep Kumar] TIET, LM Thapar Sch 2 Management, Patiala, Punjab, India; [Mitra,	Web of Science
DAIRY WASTEWATER TREATMENT IN	Kumari, P; Kushwaha, JP; Sanj	Environmental Engineering And	2019	25	[Kumari, Poonam; Kushwaha, Jai Prakash; Sangal, 0 Vikas K.; Singh, Neetu] Deemed Univ, Thapar Inst	Web of Science
Annealing temperature optimization f	Deshwal, M; Arora, A	Indian Journal Of Pure & Applie	2019	25	[Deshwal, Manish] Chandigarh Univ, Elect & 1 Commun Engn Dept, Mohali 140413, India;	Web of Science

Cooling Environment Effect on the Mi	Singh, RKR; Rathod, DW; Pras Journal Of Materials Engineering	2019	25	[Singh, Ratnesh Kumar Raj; Rathod, Dinesh W.] 0 Thapar Inst Engn & Technol, Dept Mech Engn,	Web of Science
An efficient resource prediction-basec	Kaur, G; Bala, A Concurrent Engineering-Researc	2019	25	2 Technol, Comp Sci & Engn Dept, Bhadson Rd,	Web of Science
STOA: A bio-inspired based optimizati	Dhiman, G; Kaur, A Engineering Applications Of Arti	2019	25	13 Engn & Technol, Comp Sci & Engn Dept, Patiala	Web of Science
FOG COMPUTING FOR SMART GRID SY	Kumari, A; Tanwar, S; Tyagi, S Ieee Wireless Communications	2019	25	12 Comp Sci & Engn, Ahmadabad, Gujarat, India;	Web of Science
An efficient low-dose CT reconstructio	Pathak, Y; Arya, KV; Tiwari, S Multimedia Tools And Applicatio	2019	25	2 Vajpayee Indian Inst Informat Technol,	Web of Science
Lattice-Based Public Key Cryptosystem	Chaudhary, R; Aujla, GS; Kum Ieee Internet Of Things Journal	2019	25	9 Engn & Technol, Comp Sci & Engn Dept, Patiala	Web of Science
Layer-Jamming Suction Grippers With	Bamotra, A; Walia, P; Prituja, Journal Of Mechanisms And Rot	2019	25	3 Avataram Venkatavaradan; Ren, Hongliang] Natl	Web of Science
Modified fractional order IMC design I	Pachauri, N; Yadav, J; Rani, A; Computers In Biology And Medici	2019	25	1 Elect & Instrumentat Engn, Patiala 147004,	Web of Science
CPW fed rectangular rings-based patcl	Singla, G; Khanna, R; Parkash, International Journal Of Microw	2019	25	1 Dept Elect & Commun Engn, Patiala, Punjab,	Web of Science
Securing electronics healthcare recor	Hathaliya, JJ; Tanwar, S; Tyagi Computers & Electrical Engineer	2019	25	17 Inst Technol, Dept Comp Sci & Engn, Ahmadabad,	Web of Science
Multi-shaped tool wear study during r	Sharma, A; Jain, V; Gupta, D Proceedings Of The Institution C	2019	25	8 Mech Engn, Patiala 147001, Punjab, India	Web of Science
Influence of Ca-doped NaNbO3 and it:	Vig, AS; Rani, N; Gupta, A; Par Solar Energy	2019	25	5 Pandey, O. P.] Thapar Inst Engn & Technol, Sch	Web of Science
Performance evaluation of various cla	Dhindsa, IS; Agarwal, R; Ryaite, Expert Systems	2019	25	4 Thapar Univ, Elect & Instrumentat Engn, Patiala,	Web of Science
Special issue on "Pythagorean fuzzy s	Garg, H Complex & Intelligent Systems	2019	25	1 Math, Patiala 147004, Punjab, India	Web of Science
Exponential similarity measures for Py	Nguyen, XT; Nguyen, VD; Ngu Complex & Intelligent Systems	2019	25	8 Nguyen] Vietnam Natl Univ Agr, Fac Informat	Web of Science
Access-based business model innovati	Wiprachtiger, D; Narayanamu Technological Forecasting And S	2019	25	1 Gallen HSG, Dufourstr 40a, CH-9000 St Gallen,	Web of Science
Multi-target-directed triazole derivati	Kaur, A; Mann, S; Kaur, A; Priy Bioorganic Chemistry	2019	25	12 Amandeep; Goyal, Deepti] Sri Guru Granth Sahib	Web of Science
Xanthine oxidase inhibitors from an ei	Kumar, S; Pagar, AD; Ahmad, Bioorganic Chemistry	2019	25	1 Furkan; Singh, Inder Pal] NIPER, Dept Nat Prod,	Web of Science
Influence of an External Magnetic Fiel	Kumar, D; Ramesh, K; Chandc Bulletin Of The Brazilian Mather	2019	25	[Kumar, Deepak; Ramesh, K.] Lovely Profess Univ,	Web of Science
Influence of TiO2 and thermal process	Danewalia, SS; Kaur, S; Bansa Journal Of Non-Crystalline Solid:	2019	25	0 Dept Math, Jalandhar 144411, Punjab, India;	Web of Science
Residence time distribution measure	Datta, A; Gupta, RK; Goswami Journal Of Radioanalytical And I	2019	25	1 Div Res & Dev, Phagwara 144411, India; [Kaur,	Web of Science
Seasonal and Spatial Variation of Parti	Garg, S; Thakur, D; Singh, R; R Mapan-Journal Of Metrology So	2019	25	0 Inst Engn & Technol Univ, Sch Energy & Environm,	Web of Science
Enhanced Ozone Production in Ambie	Rana, M; Mittal, SK; Beig, G Mapan-Journal Of Metrology So	2019	25	0 Engn & Technol, Sch Chem & Biochem, Patiala	Web of Science

Role of conducting polymer and metal	Dakshayini, BS; Reddy, KR; Mi	Microchemical Journal	2019	25	[Dakshayini, B. S.] Dayananda Sagar Coll Engr, 43 Dept Chem Engr, Bangalore 560078, Karnataka, [Sharma, Kanishka; Sharma, Manoj K.] Thapar Inst	Web of Science
Fragmentation analysis and alpha-dec	Sharma, K; Sharma, MK	Nuclear Physics A	2019	25	1 Engr & Technol, Sch Phys & Mat Sci, Patiala [Sharma, Ishita; Sharma, Manoj K.] Thapar Inst	Web of Science
Emission of light charged particles anc	Sharma, I; Sharma, MK	Nuclear Physics A	2019	25	0 Engr & Technol, Sch Phys & Mat Sci, Patiala [Sidhu, Sukhpreet Kaur] Akal Univ, Dept Math,	Web of Science
Mehar Method to Find the Fuzzy Opti	Sidhu, SK; Kumar, A	Proceedings Of The National Ac	2019	25	0 Bathinda, Punjab, India; [Kumar, Amit] Thapar [Datta, Satabdi; Das Mukherjee, Dipanwita;	Web of Science
Autophagy inhibition with chloroquin	Datta, S; Choudhury, D; Das, /	Apoptosis	2019	25	7 Dasgupta, Moumita; Chakrabarti, Gopal] Univ [Datta, Satabdi; Das Mukherjee, Dipanwita;	Web of Science
Autophagy inhibition with chloroquin	Datta, S; Choudhury, D; Das, /	Apoptosis	2019	25	1 Dasgupta, Moumita; Chakrabarti, Gopal] Univ [Roshia, Pali; Dhir, Amit] Thapar Inst Engr &	Web of Science
Catalytic reforming of synthetic bioga	Rosha, P; Mohapatra, SK; Mal	Biomass & Bioenergy	2019	25	4 Technol Patiala, Sch Energy & Environm, Patiala [Pandove, Divya] Thapar Univ, CSED, Res Lab,	Web of Science
General correlation coefficient based	Pandove, D; Goel, S; Rani, R	Cluster Computing-The Journal (	2019	25	1 Patiala, Punjab, India; [Goel, Shivani] Bennett Inst [Kaur, Tajinder; Rai, Mayank Kumar; Khanna,	Web of Science
Effect of temperature on the perform	Kaur, T; Rai, MK; Khanna, R	Journal Of Computational Electr	2019	25	8 Rajesh] Thapar Inst Engr & Technol, Dept Elect & [Gupta, Deepak; Rani, Rinkle] Thapar Inst Engr &	Web of Science
A study of big data evolution and rese	Gupta, D; Rani, R	Journal Of Information Science	2019	25	7 Technol, Dept Comp Sci & Engr, Patiala 147004, [Rathi, Aanchal; Basu, Soumen] Thapar Inst Engr	Web of Science
Adsorptive removal of fipronil from its	Rathi, A; Basu, S; Barman, S	Journal Of Molecular Liquids	2019	25	4 & Technol, Sch Chem & Biochem, Patiala 147004, [Kaur, Harmanjeet; Kumar, Neeraj; Batra, Shalini]	Web of Science
ClaMPP: a cloud-based multi-party pri	Kaur, H; Kumar, N; Batra, S	Journal Of Supercomputing	2019	25	3 Thapar Univ, Comp Sci & Engr Dept, Patiala, [Garg, Bharat; Rai, Shireesh Kumar] Thapar Univ,	Web of Science
ES-COINA: A novel energy scalable qu	Garg, B; Rai, SK; Puranik, A; S	Microprocessors And Microsyste	2019	25	0 Thapar Inst Engr & Technol, Dept Elect & [Ramlal, Sharma Dileepkumar; Sachdeva, Jainy]	Web of Science
An improved multimodal medical ima	Ramlal, SD; Sachdeva, J; Ahuj;	International Journal Of Imaging	2019	25	4 Thapar Inst Engr & Technol, Elect & Instrumentat [Upadhyay, Ranjit Kumar; Pal, Ashok Kumar;	Web of Science
Dynamics of an SEIR epidemic model \	Upadhyay, RK; Pal, AK; Kumar	Nonlinear Dynamics	2019	25	8 Kumari, Sangeeta] Indian Sch Mines, Indian Inst [Chandok, Sumit] Thapar Inst Engr & Technol, Sch	Web of Science
C*-algebra-valued partial metric spac	Chandok, S; Kumar, D; Park, C	Proceedings Of The Indian Acad	2019	25	2 Math, Patiala 147004, Punjab, India; [Kumar, [Goyal, Megha] IK Gujral Punjab Tech Univ, Dept	Web of Science
Combinatorial identities for tenth ord	Goyal, M; Rana, M	Proceedings Of The Indian Acad	2019	25	0 Math Sci, Main Campus, Kapurthala 144603, [Nanda, Tarun; Sharma, Gaurav; Shelly, Daksh;	Web of Science
Mechanisms for enhanced impact stre	Nanda, T; Sharma, G; Mehta,	Materials Research Express	2019	25	3 Singh, Karanbir] Thapar Inst Engr & Technol, [Arora, Rishu; Garg, Harish] Deemed Univ, Thapar	Web of Science
Group decision-making method based	Arora, R; Garg, H	Computational & Applied Mathe	2019	25	25 Inst Engr & Technol, Sch Math, Patiala 147004, [Goga, Geetesh; Chauhan, Bhupendra Singh]	Web of Science
Combined impact of varying biogas m	Goga, G; Chauhan, BS; Mahla,	Energy Sources Part A-Recovery	2019	25	3 Lovely Profess Univ, Sch Mech Engr, Phagwara [Gupta, Pallavi; Upadhyay, A.] Thapar Inst Engr &	Web of Science
Placing the newly observed state B-J	Gupta, P; Upadhyay, A	Physical Review D	2019	25	1 Technol, Sch Phys & Mat Sci, Patiala 147004, [Kaur, Navjot; Chudasama, Bhupendra] Thapar	Web of Science
Colloidal stability of Mn1-xZnxFe2O4 r	Kaur, N; Chudasama, B	Micro & Nano Letters	2019	25	0 Inst Engr & Technol, Sch Phys & Mat Sci, Patiala [Sharma, Ankit; Jain, Vivek; Gupta, Dheera]	Web of Science
Comparative analysis of chipping mec	Sharma, A; Jain, V; Gupta, D	Machining Science And Technol	2019	25	4 Thapar Univ, Mech Engr Dept, Patiala, Punjab,	Web of Science

Software-defined network-enabled of Vashisht, S; Jain, S	International Journal Of Commu	2019	25	[Vashisht, Sahil; Jain, Sushma] Thapar Inst Engn & Technol Deemed Be Univ, Comp Sci & Engn Dept, [Sharma, Arushi; Gandotra, Ekta; Bansal, Divya]	Web of Science
Malware Capability Assessment using Sharma, A; Gandotra, E; Bans Cybernetics And Systems		2019	25	1 PEC Univ Technol, Dept Comp Sci & Engn, [Sharma, Piyush; Pandey, O. P.] Thapar Inst Engn	Web of Science
Impact of environment on the kinetics Sharma, P; Diwan, PK; Pandey Materials Chemistry And Physics		2019	25	2 & Technol, Sch Phys & Mat Sci, Patiala 147004, [Li, JiLiang; Zhang, WeiGuo] Xidian Univ, State Key	Web of Science
AEP-PPA: An anonymous, efficient and Li, JL; Zhang, WG; Dabra, V; CI Journal Of Network And Compu		2019	25	5 Lab Integrated Serv Networks, Xian 710071, [Singh, Jasminder; Basu, Soumen] Thapar Inst	Web of Science
Dynamic CO2 adsorption on activated Singh, J; Basu, S; Bhunia, H Microporous And Mesoporous M		2019	25	14 Engn & Technol Deemed Be Univ, Sch Chem & [Narang, Simranjeet Singh; Goyal, Deepti] Sri Guru	Web of Science
Inhibition of Alzheimer's amyloid-beta Narang, SS; Goyal, D; Goyal, B Journal Of Biomolecular Structu		2019	25	3 Granth Sahib World Univ, Fac Basic & Appl Sci, [Guleria, Sanjeev K.; Lal, Arvind K.] Thapar Inst	Web of Science
Interactive decision support system fo Guleria, SK; Lal, AK	Modern Physics Letters B	2019	25	2 Engn & Technol, Patiala 147004, Punjab, India [Saneja, Bharti; Rani, Rinkle] Thapar Inst Engn &	Web of Science
A scalable correlation-based approach Saneja, B; Rani, R	International Journal Of Commu	2019	25	2 Technol, Dept Comp Sci & Engn, Patiala, Punjab, [Kaur, J.; Nitika] Thapar Inst Engn & Technol, Dept	Web of Science
Design and optimization of a dual-ban Kaur, J; Nitika,; Panwar, R	Journal Of Electromagnetic Wav	2019	25	0 Elect & Commun Engn, Patiala, Punjab, India; [Dhiman, Gourav; Srivastava, Neha; Goyal,	Web of Science
Metadherin: A Therapeutic Target in Dhiman, G; Srivastava, N; Goy Frontiers In Oncology		2019	25	5 Mehendi; Baranwal, Manoj] Thapar Inst Engn & [Kumar, Neeraj] Thapar Inst Engn & Technol,	Web of Science
Renewable Energy-Based Multi-Index Kumar, N; Aujla, GS; Garg, S; IEEE Transactions On Industrial I		2019	25	11 Comp Sci & Engn Dept, Patiala 147004, Punjab, [Chandok, Sumit] Thapar Inst Engn & Technol, Sch	Web of Science
Picard-Jungck Operator for a Pair of M Chandok, S; Mukheimer, A; H Mathematics		2019	25	1 Math, Patiala 147004, Punjab, India; [Mukheimer, [Singh, Jaspreet; Singh, Kulwinder; Saini, J. S.]	Web of Science
Efficiency and Stiffness of the Single Li Singh, J; Singh, K; Saini, JS	Defence Science Journal	2019	25	0 Thapar Inst Engn & Technol, Mech Engn Dept, [Budhiraja, Ishan; Kumar, Neeraj] Thapar Inst	Web of Science
Cross Layer NOMA Interference Mitig Budhiraja, I; Tyagi, S; Tanwar, IEEE Transactions On Vehicular		2019	25	4 Engn & Technol, Dept Comp Sci & Engn, Patiala [Dhanjal, Noorpreet I.; Sharma, Siddharth;	Web of Science
Selenium-rich maize modulates the ex Dhanjal, NI; Sharma, S; Skalny Food & Function		2019	25	2 Prakash, N. Tejo] Thapar Inst Engn & Technol, [Singh, Navjot; Nanda, Tarun] Thapar Inst Engn &	Web of Science
In situ investigations of microstructur Singh, N; Nanda, T; Kumar, BF Archives Of Civil And Mechanica		2019	25	1 Technol, Mech Engn Dept, Patiala 147004, Punjab, [Mishra, Amit; Basu, Soumen] Thapar Inst Engn &	Web of Science
Metal oxide nanohybrids-based low-t Mishra, A; Basu, S; Shetti, NP; Journal Of Materials Science-Ma		2019	25	4 Technol, Sch Chem & Biochem, Patiala 147004, [Kaur, Kuljeet; Kumar, Neeraj] Thapar Univ, Dept	Web of Science
Coordinated Power Control of Electric Kaur, K; Kumar, N; Singh, M	IEEE Transactions On Smart Grid	2019	25	14 Comp Sci & Engn, Patiala 147004, Punjab, India; [Bhatnagar, Pallavee] IES Coll Technol, Dept Elect	Web of Science
Reduced device count version of single Bhatnagar, P; Agrawal, R; Gupta Power Electronics		2019	25	4 Engn, Bhopal, India; [Agrawal, Rekha] Sagar Inst [Singh, V; Mohapatra, S. K.] Thapar Inst Engn &	Web of Science
Modeling of Erosion Wear of Sand Wa Singh, V; Kumar, S; Mohapatr Journal Of Applied Fluid Mechar		2019	25	0 Technol, Patiala 147004, Punjab, India; [Kumar, S.] [Singh, Manpreet; Singh, Anant Kumar] Thapar	Web of Science
Performance investigation of magnetic Singh, M; Singh, AK	Journal Of Manufacturing Proce	2019	25	5 Inst Engn & Technol, Dept Mech Engn, Patiala [Singh, Gurvinder; Singh, Kulbir] Thapar Inst Engn	Web of Science
Video frame and region duplication fo Singh, G; Singh, K	Multimedia Tools And Applicati	2019	25	6 & Technol, Dept Elect & Commun Engn, Patiala, [Kaur, Jobanpreet; Jindal, Neeru] Thapar Inst Engn	Web of Science
A secure image encryption algorithm I Kaur, J; Jindal, N	Multimedia Tools And Applicati	2019	25	0 & Technol, Dept Elect & Commun Engn, Patiala,	Web of Science

An efficient watermarking scheme for Kaur, G; Kasana, SS; Sharma, I	Multimedia Tools And Applicati	2019	25	[Kaur, Gagandeep; Kasana, Singara Singh] Thapar	1	Inst Engn & Technol, Comp Sci & Engn Dept,	Web of Science
NbC/C heterojunction for efficient ph	Gupta, A; Pandey, OP Solar Energy	2019	25	11 Technol, Sch Phys & Mat Sci, Funct Mat Lab,	Web of Science		
MGF-based analysis of kappa-mu/gar	Shankar, H; Kansal, A Transactions On Emerging Telec	2019	25	1 & Technol, Patiala 147004, Punjab, India	Web of Science		
An Efficient Privacy Preserving Authen	Malhi, AK; Batra, S; Pannu, H	2019	25	0 Husanbir Singh] Thapar Univ, Comp Sci & Engn	Web of Science		
Computational screening of potential	Nayak, S; Pradhan, D; Singh, I Microbial Pathogenesis	2019	25	2 Thapar Inst Engn & Technol, Dept Biotechnol,	Web of Science		
Tactile Internet for Smart Communitie	Budhiraja, I; Tyagi, S; Tanwar, I	2019	25	11 Neeraj] Deemed Be Univ, Thapar Inst Engn &	Web of Science		
Effect of electroslog remelting and ho	Kasana, SS; Pandey, OP International Journal Of Mineral	2019	25	1 Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science		
Isolation of taxol producing endophyti	Gill, H; Vasundhara, M World Journal Of Microbiology &	2019	25	4 & Technol, Dept Biotechnol, Patiala 147004,	Web of Science		
An energy-efficient and location-awar	Vashisht, S; Jain, S Computers & Electrical Engineer	2019	25	2 Technol, Comp Sci & Engn Dept, Patiala, Punjab,	Web of Science		
Diversity and phylogeny of resveratrol	Dwivedi, V; Saxena, S 3 Biotech	2019	25	0 Thapar Inst Engn & Technol, Dept Biotechnol,	Web of Science		
Enhanced photocatalytic degradation	Monga, D; Basu, S Advanced Powder Technology	2019	25	14 Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science		
Synthesis of Fe2O3/TiO2 monoliths fo	Singh, J; Sharma, S; Aanchal, I	2019	25	25 Soumen] Deemed Univ, Thapar Inst Engn &	Web of Science		
Treatment of real pharmaceutical was	Changotra, R; Rajput, H; Dhir, I	2019	25	15 Thapar Inst Engn & Technol, Sch Energy &	Web of Science		
Study on role of particle shape in eros	Singh, J; Kumar, S; Mohapatra, S	2019	25	3 K.] Thapar Inst Engn & Technol, Dept Mech Engn,	Web of Science		
Structural, electronic and optical prop	Thota, N; Kumar, M; Vishwak, I	2019	25	2 B. R.] Indian Inst Technol Delhi, Dept Phys, Thin	Web of Science		
Effect of elevated temperatures and a	Sharma, S; Nanda, T; Pandey, I	2019	25	3 Engn & Technol, Mech Engn Dept, Patiala, Punjab,	Web of Science		
Algorithms for possibility linguistic sin	Garg, H; Nancy Measurement	2019	25	32 Sch Math, Patiala 147004, Punjab, India	Web of Science		
Effect of three-step calcination on str	Mahadevan, S; Narang, SB; S	2019	25	6 Thapar Inst Engn & Technol, Sch Phys & Mat Sci,	Web of Science		
Unmanned Aerial Vehicles in Consum	Kumar, N; Puthal, D; Theocha	2019	25	1 India; [Puthal, Deepak] Univ Technol, Sydney,	Web of Science		
Location Aware Network of Drones fo	Vashisht, S; Jain, S	2019	25	5 Patiala, Punjab, India; [Jain, Sushma] Thapar Inst	Web of Science		
Fire Sensing Technologies: A Review	Gaur, A; Singh, A; Kumar, A; K	2019	25	4 Kulkarni, Kishor S.; Lala, Sayantani; Kumar, Anuj	Web of Science		
Heavy metal hypertolerant eukaryotic	Mukherjee, A; Yadav, R; Marr	2019	25	3 Thapar Inst Engn & Technol, Dept Biotechnol,	Web of Science		
An efficient page ranking approach ba	Goel, S; Kumar, R; Kumar, M;	2019	25	3 Engn & Technol, Comp Sci & Engn Dept, Patiala,	Web of Science		

Energy trading with dynamic pricing for	Aujla, GS; Kumar, N; Singh, M	Journal Of Parallel And Distributed Computing	2019	25	10	[Aujla, Gagangeet Singh] Chandigarh Univ, Comp Sci & Engrg Dept, Mohali, India; [Aujla, Gagangeet Singh, Njenga, Kenndy; Garg, Lalit] Univ Liverpool, Liverpool, Merseyside, England; [Garg, Lalit] Univ Liverpool, Merseyside, England; [Garg, Lalit] Univ Liverpool, Merseyside, England	Web of Science
The cloud computing adoption in high	Njenga, K; Garg, L; Bhardwaj, Telematics And Informatics		2019	25	6	[Garg, Lalit] Univ Liverpool, Merseyside, England; [Garg, Lalit] Univ Liverpool, Merseyside, England	Web of Science
Waste plastic derived carbon support	Mir, RA; Pandey, OP	Journal Of Cleaner Production	2019	25	14	Funct Mat Lab, Patiala, Punjab, India	Web of Science
Resonance Effect of Bimetallic Diffraction	Singh, S; Kaler, RS; Sharma, S	Journal Of Nanoelectronics And Optoelectronics	2019	25	1	Technol, Dept Elect & Commun Engrg, Patiala	Web of Science
Sub-surface drip fertigation with conservation	Sidhu, HS; Jat, ML; Singh, Y; Si	Agricultural Water Management	2019	25	6	CIMMYT, BISA, Ladhawal 141004, Punjab, India; [Singh, Sarbjit; Kaler, R. S.] Thapar Inst Engrg & Technol, Patiala	Web of Science
A distributed overlapping community	Bhatia, V; Rani, R	Future Generation Computer Systems	2019	25	1	Technol, Dept Comp Sci & Engrg, Noida, India; [Singh, Amritpal; Batra, Shalini; Kumar, Neeraj]	Web of Science
Probabilistic data structure-based communication	Singh, A; Garg, S; Batra, S; Kur	Future Generation Computer Systems	2019	25	3	Deemed Univ, Thapar Inst Engrg & Technol, Comp Sci & Engrg Dept, Patiala	Web of Science
Effect of heat treatment on the wear behavior	Sharma, S; Kumar, S; Nanda, T	Materials Research Express	2019	25	2	Engrg & Technol, Mech Engrg Dept, Patiala 147004, Punjab, India; [Singh, Gurinder; Singh, Kulbir] Thapar Inst Engrg & Technol, Patiala	Web of Science
Counter JPEG Anti-Forensic Approach	Singh, G; Singh, K	IEEE Transactions On Information Theory	2019	25	4	& Technol, Dept Elect & Commun Engrg, Patiala	Web of Science
Postpartum depression prediction through	Moreira, MWL; Rodrigues, JJF	Information Fusion	2019	25	7	Univ Beira Interior, Inst Telecomunicacoes, Braga, Portugal; [Sharma, Sandeep; Nanda, Tarun] Thapar Inst Engrg & Technol, Patiala	Web of Science
Investigation of T4 and T6 heat treatment	Sharma, S; Nanda, T; Pandey, Wear		2019	25	3	Engrg & Technol, Mech Engrg Dept, Patiala 147004, Punjab, India; [Paswan, Sunil Kumar; Singh, Anant Kumar]	Web of Science
Analysis of surface finishing mechanism	Paswan, SK; Singh, AK	Wear	2019	25	3	Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala	Web of Science
Synergistic effect of the addition of Ti	Singh, V; Kumar, S; Ratha, D	Wear	2019	25	1	Mech Engrg Dept, Patiala 147004, Punjab, India; [Sharma, V. K.; Kumar, V.; Joshi, R. S.] Thapar Inst Engrg & Technol, Patiala	Web of Science
Effect of RE addition on wear behavior	Sharma, VK; Kumar, V; Joshi, I	Wear	2019	25	3	Engrg & Technol, Patiala, Punjab, India; [Sharma, Rani, Dimple; Garg, Harish] Thapar Inst Engrg & Technol, Patiala	Web of Science
Some modified results of the subtraction	Rani, D; Garg, H	Journal Of Experimental & Theoretical Physics	2019	25	11	Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Electrochemical and optical studies of	Kaur, N; Mir, RA; Pandey, OP	Journal Of Alloys And Compounds	2019	25	13	P.] Thapar Inst Engrg & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Investigation of various decay mechanisms	Kaur, A; Sharma, MK	Physical Review C	2019	25	2	Engrg & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
SH-BlockCC: A secure and efficient	Singh, S; Ra, IH; Meng, WZ; K	International Journal Of Distributed Computing	2019	25	5	Univ, Div Comp Sci & Engrg, Jeonju 54896, South Korea; [Jindal, Anish] Univ Lancaster, Sch Comp & Commun, Lancaster, England; [Aujla, Gagangeet Singh, Anam, Girdhar Babu; Ahn, Young-Ho] Yeungnam Univ, Dept Civil Engrg, Gyongsan 38541, South Korea	Web of Science
SURVIVOR: A blockchain based edge-aware	Jindal, A; Aujla, GS; Kumar, N	Computer Networks	2019	25	27	Commun, Lancaster, England; [Aujla, Gagangeet Singh, Anam, Girdhar Babu; Ahn, Young-Ho] Yeungnam Univ, Dept Civil Engrg, Gyongsan 38541, South Korea	Web of Science
Characterization of Trichoderma aspergilloides	Anam, GB; Reddy, MS; Ahn, Y	Science Of The Total Environment	2019	25	2	Univ, Dept Civil Engrg, Gyongsan 38541, South Korea	Web of Science
A feasibility study to utilize kitchen waste	Lal, S; Mohapatra, SK	Energy Sources Part A-Recovery Utilization and Environmental Protection	2019	25	1	Technol, Dept Mech Engrg, Patiala, Punjab, India	Web of Science
Electro-Catalytic Oxidation of Ofloxacin	Kaur, R; Kushwaha, JP; Singh, Neetu	Journal Of The Electrochemical Society	2019	25	4	Thapar Inst Engrg & Technol, Dept Chem Engrg, Patiala	Web of Science
Dielectric and energy storage behavior of	Kaur, S; Kumar, A; Sharma, AL	Ceramics International	2019	25	6	Inst Engrg & Technol, Sch Phys & Mat Sci, Patiala	Web of Science

Multi-metal tolerance of von Willebra	Thakur, B; Yadav, R; Vallon, L; Science Of The Total Environme	2019	25	[Thakur, Bharti; Reddy, M. Sudhakara] Thapar Inst 1 Engn & Technol, Dept Biotechnol, Patiala 147004, Web of Science
Linearized sigmoidal activation: A nov	Bawa, VS; Kumar, V Expert Systems With Applicator	2019	25	[Bawa, Vivek Singh; Kumar, Vinay] Thapar Inst 5 Engn & Technol, Elect & Commun Engn Dept, Web of Science
Strength, permeation and micro-struc	Vardhan, K; Siddique, R; Goya Construction And Building Mate	2019	25	[Vardhan, Kirti] Thapar Inst Engn & Technol, 9 Patiala, Punjab, India; [Siddique, Rafat; Goyal, Web of Science
Improvement in head loss characteris	Singh, MK; Kumar, S; Ratha, D International Journal Of Coal Pro	2019	25	[Singh, Mani Kanwar] Chandigarh Univ, Dept 3 Mech Engn, Mohali, Punjab, India; [Kumar, Satish] Web of Science
Pseudo Cavity of Schiff Base Ionophor	Rana, S; Mittal, SK; Kaur, N; B Journal Of The Electrochemical :	2019	25	[Rana, Sonia; Mittal, Susheel K.] Thapar Inst Engn 2 & Technol, Sch Chem & Biochem, Patiala 147004, Web of Science
Auction-based power allocation for dc	Lamba, AK; Kumar, R; Sharma Electronics Letters	2019	25	[Lamba, A. K.; Kumar, R.; Sharma, S.] Thapar Inst 3 Engn & Technol, Dept Elect & Commun Engn, Web of Science
CFD modeling of erosion wear in pipe	Singh, J; Kumar, S; Singh, JP; K Particulate Science And Technol	2019	25	[Singh, Jashanpreet; Kumar, Satish; Singh, Jatinder 8 Pal; Kumar, Prince; Mohapatra, S. K.] Thapar Univ, Web of Science
The wear behavior of Al/(Al ₂ O ₃ + SiC)	Kalra, CS; Kumar, V; Manna, P Particulate Science And Technol	2019	25	[Kalra, C. S.] Thapar Univ, Mech Engn Dept, 3 Patiala, Punjab, India; [Kalra, C. S.] SUSCET, Mech Web of Science
Supervised Machine-Learning Predicti	Kaur, M; Dhalaria, M; Sharma Applied Sciences-Basel	2019	25	[Kaur, Maninder; Dhalaria, Meghna] Thapar Inst 1 Engn & Technol, Comp Sci & Engn Dept, Patiala Web of Science
KINETIC STUDIES OF HYDROLYSIS REAC	Kaur, A; Gangacharyulu, D; B Brazilian Journal Of Chemical En	2019	25	[Kaur, Arshdeep; Gangacharyulu, Dasaraju; 0 Bajpai, Pramod K.] Thapar Univ, Dept Chem Engn, Web of Science
Self-focusing of q-Gaussian laser bean	Kashyap, R; Aggarwal, M; Gill, Optik	2019	25	[Kashyap, Richa; Kumar, Harish] Inder Kumar 0 Gujral Punjab Tech Univ, Kapurthala 144601, Web of Science
Effect of despeckle filtering on classifi	Kriti; Virmani, J; Agarwal, R Biocybernetics And Biomedical I	2019	25	[Kriti; Agarwal, Ravinder] Thapar Inst Engn & 2 Technol, Patiala, Punjab, India; [Virmani, Jitendra] Web of Science
Development of rare-earth oxides bas	Sharma, VK; Kumar, V Journal Of Materials Research A	2019	25	[Sharma, Vipin Kumar; Kumar, Vinod] Thapar Inst 2 Engn & Technol, Mech Engn Dept, Patiala, Punjab, Web of Science
Design and Analysis of Secure Lightwe	Wazid, M; Das, AK; Kumar, N; IEEE Internet Of Things Journal	2019	25	[Wazid, Mohammad] Innopolis Univ, Cyber Secur 20 & Networks Lab, Innopolis 420500, Russia; [Das, Web of Science
FTIR and rheological studies of PMMA	Singh, S; Arora, N; Paul, K; Kur Ionics	2019	25	[Singh, Simranjit; Arora, Narinder; Kumar, Rajesh] 2 DAV Coll, PG Dept Phys, Amritsar 143001, Punjab, Web of Science
Simulation of intelligent target hitting	Shivani, S; Tiwari, S Multimedia Tools And Applicati	2019	25	[Shivani, Shivendra; Tiwari, Shailendra] Trinity Coll 0 Dublin, Dublin, Ireland; [Shivani, Shivendra; Web of Science
Applicability of fractional transforms i	Jindal, N; Singh, K Multimedia Tools And Applicati	2019	25	[Jindal, Neeru; Singh, Kulbir] Thapar Inst Engn & 1 Technol, Dept Elect & Commun Engn, Patiala, Web of Science
Dispersion analysis and improved F-ex	Kaur, B; Gupta, RK Nonlinear Dynamics	2019	25	[Kaur, Bikramjeet] Thapar Inst Engn & Technol, 3 Sch Math, Patiala 147004, Punjab, India; [Gupta, Web of Science
Hydrogen Production and Subsequent	Kapoor, D; Oberoi, AS; Nijhaw Processes	2019	25	[Kapoor, Diksha; Nijhawan, Parag] Thapar Inst 2 Engn & Technol Patiala, Elect & Instrumentat Web of Science
Fuzzy-Folded Bloom Filter-as-a-Servic	Singh, A; Garg, S; Kaur, K; Bati IEEE Transactions On Industrial I	2019	25	[Singh, Amritpal; Garg, Sahil; Kaur, Kuijeet; Batra, 5 Shalini; Kumar, Neeraj] Thapar Inst Engn & Web of Science
Numerical Approximation for Nonline	Sharma, D; Singh, P; Agarwal, Mathematics	2019	25	[Sharma, Dipty; Singh, Paramjeet] Thapar Inst 1 Engn & Technol, Sch Math, Patiala 147004, Web of Science
Modified Optimal Class of Newton-Lik	Kansal, M; Behl, R; Mahnashi, Symmetry-Basel	2019	25	[Kansal, Munish] Thapar Inst Engn & Technol, Sch 2 Math, Patiala 147004, Punjab, India; [Behl, Web of Science
RTD Measurement, Modeling, and An	Sheoran, M; Chandra, A; Ahuj International Journal Of Chemic	2019	25	[Sheoran, Meenakshi; Chandra, Avinash; Ahuja, 1 Sanjeev; Bhunia, Haripada] Deemed Univ, Thapar Web of Science

Enhanced thermal resistance of ramm	Jain, D; Mukherjee, A; Porter, International Journal Of Therma	2019	25	[Jain, Deepak] Thapar Univ, Dept Mech Engn, Patiala 147004, Punjab, India; [Mukherjee, Abhijit; Singh, Manpreet; Singh, Anant Kumar] Thapar	Web of Science
Improved magnetorheological finishin	Singh, M; Singh, AK Materials And Manufacturing Pr	2019	25	6 Inst Engn & Technol, Dept Mech Engn, Patiala	Web of Science
Fog computing: from architecture to e	Singh, SP; Nayyar, A; Kumar, f Journal Of Supercomputing	2019	25	24 Engn & Technol, Patiala, Punjab, India; [Nayyar, [Roshia, Pali; Dhir, Amit] Thapar Inst Engn &	Web of Science
Hydrogen enrichment of biogas via dr	Rosha, P; Mohapatra, SK; Mal Energy	2019	25	5 Technol Patiala, Sch Energy & Environm, Patiala	Web of Science
Multi-objective combined heat and pc	Anand, H; Narang, N; Dhillon, Energy	2019	25	14 Engn & Technol, Dept Elect & Instrumentat Engn, [Bhandari, Deepak] Yadavindra Coll Engn, Mech	Web of Science
Investigations on weld metal chemistr	Bhandari, D; Chhibber, R; Aro Proceedings Of The Institution C	2019	25	4 Engn Sect, Talwandi Sabo, Punjab, India; [Kaur, Arshdeep; Kumar, Amit] Thapar Inst Engn &	Web of Science
A Note on "Approaches to Interval Inti	Kaur, A; Kumar, A; Appadoo, 'International Journal Of Fuzzy S	2019	25	2 Technol Deemed Univ, Sch Math, Patiala, Punjab, [Strachan, Shona M.; Armstrong, Miles R.; Kaur,	Web of Science
Mapping the H2 resistance effective a	Strachan, SM; Armstrong, MR Theoretical And Applied Genetic	2019	25	3 Amanpreet; Wright, Kathryn M.; Lim, Tze Yin; [Jain, Sahil; Baranwal, Manoj] Thapar Inst Engn &	Web of Science
Conserved peptide vaccine candidate:	Jain, S; Baranwal, M Medical Microbiology And Immu	2019	25	4 Technol, Dept Biotechnol, Patiala 147004, Punjab, [Singh, Satnam; Singh, Praveen] NorthCap Univ,	Web of Science
Development and characterization of	Singh, S; Singh, P; Gupta, D; J Engineering Science And Techno	2019	25	1 Dept Mech Engn, Gurugram 122017, Haryana, [Rani, Sujata; Kumar, Parteek] Thapar Univ, CSED,	Web of Science
Deep Learning Based Sentiment Analy	Rani, S; Kumar, P Arabian Journal For Science And	2019	25	11 Patiala, Punjab, India [Gupta, Abhishek] Marwadi Univ, Dept Environm	Web of Science
Air quality assessment of Mandi Gobir	Gupta, A; Dhir, A Environment Development And	2019	25	2 Sci & Engn, Rajkot 360001, Gujarat, India; [Dhir, [Cheema, Amandeep; Singh, Mandeep] Thapar	Web of Science
An application of phonocardiography	Cheema, A; Singh, M Applied Soft Computing	2019	25	4 Inst Engn & Technol, Elect & Instrumentat Engn [Ram, Chhotu] Adigrat Univ, Dept Chem Engn,	Web of Science
Study on corrosion investigations in in	Ram, C; Zaman, B; Dhir, A Corrosion Reviews	2019	25	1 Adigrat 7040, Ethiopia; [Zaman, Bushra] Utah [Khullar, Shikha; Reddy, M. Sudhakara] Thapar	Web of Science
Cadmium and arsenic responses in the	2019	25	3 Inst Engn & Technol, Dept Biotechnol, Patiala, [Raju, C. S. K.] GITAM Sch Technol, Dept Math,	Web of Science	
Multiple slip effects on magnetic-Carr	Raju, CSK; Hoque, MM; Khan, Proceedings Of The Institution C	2019	25	4 Bangalore, Karnataka, India; [Hoque, Mohammad [Sood, Varsha Vimal; Sharma, Surbhi; Khanna,	Web of Science
Analysis of Asynchronous Distributed	: Sood, VV; Sharma, S; Khanna, Wireless Personal Communicati	2019	25	0 Rajesh] Thapar Inst Engn & Technol, ECED, [Guleria, Kalpna; Verma, Anil Kumar] Thapar Univ,	Web of Science
Meta-heuristic Ant Colony Optimizatic	Guleria, K; Verma, AK Wireless Personal Communicati	2019	25	4 Dept Comp Sci & Engn, Patiala 147001, Punjab, [Yadav, Ravi Datt; Singh, Anant Kumar] Thapar	Web of Science
A novel magnetorheological gear prof	Yadav, RD; Singh, AK International Journal Of Machin	2019	25	2 Inst Engn & Technol, Dept Mech Engn, Patiala [Kaur, Sukhvire; Pandey, Shreelekha] Thapar Inst	Web of Science
Plants Disease Identification and Class	Kaur, S; Pandey, S; Goel, S Archives Of Computational Metl	2019	25	14 Engn & Technol, Patiala 147004, Punjab, India; [Aggarwal, Ashutosh; Singh, Karamjeet] Thapar	Web of Science
A new approach for effective retrieval	Aggarwal, A; Sharma, S; Singh Biomedical Signal Processing An	2019	25	1 Inst Engn & Technol, Dept Comp Sci & Engn, [Sandha, Karmjit Singh; Thakur, Arvind] Thapar	Web of Science
Comparative Analysis of Mixed CNTs a	Sandha, KS; Thakur, A Journal Of Electronic Materials	2019	25	3 Inst Engn & Technol, Patiala 147001, Punjab, India [Kataria, Jatinder; Mohapatra, S. K.] Thapar Univ,	Web of Science
Biodiesel production from waste cook	Kataria, J; Mohapatra, SK; Kur Journal Of The Energy Institute	2019	25	16 Dept Mech Engn, Patiala 147004, Punjab, India;	Web of Science

The university's role in sustainable development	Wakkee, I; van der Sijde, P; Verma, V; Technological Forecasting And S	2019	25	6 Amsterdam, Netherlands; [van der Sijde, Peter]	Web of Science
Processing of Ni-WC-Cr3C2-based metal matrix composites	Kaushal, S; Singh, D; Gupta, D Journal Of Composite Materials	2019	25	1 Dheeraj; Jain, Vivek] Thapar Univ, Dept Mech	Web of Science
Impact of reducing and capping agent	Rather, RA; Sarwara, RK; Das, Particuology	2019	25	3 Inst Engn & Technol, Sch Chem & Biochem,	Web of Science
Effect of CaO/MgO ratio on the optical properties of ZnO	Kaur, M; Kaur, G; Pandey, OP; International Journal Of Applied	2019	25	1 Coll, Fatehgarh Sahib, India; [Kaur, Mandeep;	Web of Science
Comprehensive review for energy efficient wireless networks	Guleria, K; Verma, AK Wireless Networks	2019	25	12 Dept Comp Sci & Engn, Patiala, Punjab, India	Web of Science
Investigation on the structural, multifunctional and mechanical properties of ZnO/CuO nanocomposites	Rani, A; Kolte, J; Gopalan, P Ceramics International	2019	25	5 Dept Met Engn & Mat Sci, Mumbai, Maharashtra,	Web of Science
Hesitant Pythagorean fuzzy multicriteria decision making	Garg, H International Journal Of Intelligence	2019	25	41 Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Wear Resistance Improvement of Austempered Pearlitic Steels	Kaushal, S; Singh, D; Gupta, D Journal Of Tribology-Transaction	2019	25	2 Dept, Ludhiana 141401, Punjab, India; [Singh,	Web of Science
An experimental investigation of heterogeneous catalysis	Sokhal, KS; Gangacharyulu, D; Experimental Thermal And Fluid	2019	25	3 Thapar Inst Engn & Technol, Dept Chem Engn,	Web of Science
A hybrid GSA-GA algorithm for constrained optimization	Garg, H Information Sciences	2019	25	38 Deemed Univ, Sch Math, Patiala 147004, Punjab,	Web of Science
5-Na/ZnO doped mesoporous silica as a photocatalyst	Malhotra, R; Ali, A Renewable Energy	2019	25	11 Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science
Impact of K16A and K28A mutation on protein structure	Shuaib, S; Saini, RK; Goyal, D; Journal Of Biomolecular Structure	2019	25	3 Deepti] Sri Guru Granth Sahib World Univ, Fac	Web of Science
Adaptive protection methodology in power systems	Singh, M; Basak, P Iet Generation Transmission & C	2019	25	5 Engn & Technol Univ, Elect & Instrumentat Engn	Web of Science
Comparison of Different Hydrophobic Surfaces	Jain, D; Sekhon, H; Bera, TK; J. Journal Of Natural Fibers	2019	25	1 Kumar; Jain, Rajat] Thapar Inst Engn & Technol,	Web of Science
Aromatic amines equilibrium sorption	Toor, SK; Kushwaha, JP; Sang: Journal Of Environmental Scienc	2019	25	2 Sangal, Vikas Kumar] Thapar Inst Engn & Technol,	Web of Science
Computational analysis in designing a protein	Jain, S; Baranwal, M Journal Of Theoretical Biology	2019	25	2 Technol, Dept Biotechnol, Patiala 147004, Punjab,	Web of Science
Approach to synthesis of fault tolerant power electronics	Dewangan, NK; Gupta, S; Gup Iet Power Electronics	2019	25	1 Inst Technol Raipur, Dept Elect Engn, Raipur,	Web of Science
Assessing the effect of GGBS content on the properties of concrete	Saluja, S; Kaur, K; Goyal, S; Bh Construction And Building Mate	2019	25	4 Thapar Inst Engn & Technol, Dept Civil Engn,	Web of Science
In-situ dual effect of novel Fe-TiO2 coating on Ti	Talwar, S; Sangal, VK; Verma, Separation And Purification Techn	2019	25	5 Chem Engn, Patiala, Punjab, India; [Sangal, Vikas	Web of Science
Eliminating secondary phases: A new approach	Gupta, I; Mohanty, BC Solar Energy	2019	25	1 Inst Engn & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Basil leaves disease classification and prediction using machine learning	Dhingra, G; Kumar, V; Joshi, H Chemometrics And Intelligent Li	2019	25	0 Thapar Inst Engn & Technol, Patiala, Punjab, India	Web of Science
Synthesis of 5-(4-(1H-phenanthro[9,10-b]pyridin-2-yl)phenyl)pyridin-2(1H)-one	Singh, I; Rani, R; Luxami, V; P European Journal Of Medicinal C	2019	25	2 Kamaldeep] Thapar Inst Engn & Technol, Sch	Web of Science
Effect of Ni substitution on the structural and magnetic properties of ZnO	Kaur, P; Singh, K Journal Of Molecular Structure	2019	25	2 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science

Influence of carbon content of nano-T Brar, LK; Gupta, A; Pandey, OI Catalysis Today	2019	25	[Brar, Loveleen K.; Gupta, Aayush; Pandey, O. P.]	11 Thapar Inst Engr & Technol, Sch Phys & Mat Sci,	Web of Science
Single and Binary Adsorption of Zn (II) Toor, SK; Kushwaha, JP; Sang: Chemistryselect	2019	25	[Toor, Sehaspreet Kaur; Kushwaha, Jai Prakash;	1 Sangal, Vikas Kumar] Deemed Be Univ, Dept	Web of Science
Spectral graph wavelet optimized finit Sharma, D; Goyal, K Journal Of Difference Equations	2019	25	[Sharma, Deepika; Goyal, Kavita] Thapar Inst Engr	3 & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Rheological Characteristics of Uni/Bi-\ Kumar, S; Singh, M; Singh, J; S Journal Of Mining Science	2019	25	[Kumar, S.; Singh, M.; Singh, J.] TIET, Dept Mech	0 Engr, Patiala 147004, Punjab, India; [Singh, J. P.]	Web of Science
Convergence and Summability of Four Chouhan, SK; Kaur, J; Bhatia, ! Proceedings Of The National Ac	2019	25	[Chouhan, Sandeep Kaur; Kaur, Jatinderdeep;	2 Bhatia, S. S.] Thapar Univ, Patiala, Punjab, India	Web of Science
Performance assessment of a neuro-fi Jood, P; Aggarwal, SK; Chopra Computers & Electrical Engineer	2019	25	[Jood, Pankaj; Aggarwal, S. K.; Chopra, Vikram]	1 Thapar Inst Engr & Technol, Elect & Instrumentat	Web of Science
Efficient layer-wise feature increment Chauhan, SS; Batra, S Journal Of Electronic Imaging	2019	25	[Chauhan, Sachendra Singh] Thapar Inst Engr &	0 Technol, Dept Comp Sci & Engr, Doctoral Res Lab	Web of Science
A novel computer vision based neutro Dhingra, G; Kumar, V; Joshi, H Measurement	2019	25	[Dhingra, Gittaly; Kumar, Vinay; Joshi, Hem Dutt]	11 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Strength properties of roller compacte Saluja, S; Goyal, S; Bhattachar Journal Of Engineering Research	2019	25	[Saluja, Sorabh; Goyal, Shweta] Thapar Inst Engr	0 & Technol, Dept Civil Engr, Patiala 147004,	Web of Science
Role of Dysprosium Doping on Structu Aggarwal, N; Vasishth, A; Kau Journal Of Superconductivity An	2019	25	[Aggarwal, Nupur; Kaur, Kamaldeep] Chandigarh	2 Univ, Dept Phys, Gharuan, Mohali, India;	Web of Science
Histogram based multilevel reversible Kukreja, S; Kasana, SS; Kasana: Multimedia Tools And Applicatic	2019	25	[Kukreja, Sonal; Kasana, Singara Singh; Kasana,	0 Geeta] Thapar Inst Engr & Technol, Comp Sci &	Web of Science
Detecting bot-infected machines usin Singh, M; Singh, M; Kaur, S Digital Investigation	2019	25	[Singh, Manmeet; Singh, Maninder; Kaur,	4 Sanmeet] Thapar Univ, Comp Sci & Engr Dept,	Web of Science
Nonlinear Kerr and intermodal four-w Gupta, R; Kaler, RS Optical Engineering	2019	25	[Gupta, Rajan; Kaler, Rajinder Singh] Thapar Univ,	0 Dept Elect & Commun Engr, Patiala, Punjab, India	Web of Science
Edge Computing-Based Security Fram Garg, S; Singh, A; Kaur, K; Auji Ieee Network	2019	25	[Garg, Sahil; Kaur, Kuljeet] Ecole Technol Super,	28 Montreal, PQ, Canada; [Batra, Shalini] Thapar Inst	Web of Science
Guest Editorial: Advances In Security a You, I; Choi, C; Sharma, V; Wc Intelligent Automation And Soft	2019	25	[You, Ilsun] THINmultimedia Inc, Busan, South	0 Korea; [You, Ilsun] Internet Secur Co Ltd, Busan,	Web of Science
Automated assessment of breast canc Singla, N; Dubey, K; Srivastav: Journal Of Biophotonics	2019	25	[Singla, Neeru; Dubey, Kavita; Srivastava, Vishal]	4 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Investigations to increase the failure l Singh, K; Saini, JS; Bhunia, H; ! Proceedings Of The Institution C	2019	25	[Singh, Kulwinder; Saini, J. S.; Singh, Jaspreet]	5 Thapar Univ, Dept Mech Engr, Patiala, Punjab,	Web of Science
Synthesis of Linear Antenna Arrays Us Singh, U; Salgotra, R Arabian Journal For Science And	2019	25	[Singh, Urvinder; Salgotra, Rohit] Thapar Univ,	10 Dept ECE, Patiala, Punjab, India	Web of Science
Some Generalized Complex Intuitionis Garg, H; Rani, D Arabian Journal For Science And	2019	25	[Garg, Harish; Rani, Dimple] Thapar Inst Engr &	34 Technol Deemed Univ, Sch Math, Patiala 147004,	Web of Science
Generalized Cubic Intuitionistic Fuzzy . Kaur, G; Garg, H Arabian Journal For Science And	2019	25	[Kaur, Gagandeep; Garg, Harish] Thapar Inst Engr	45 & Technol Deemed Univ, Sch Math, Patiala	Web of Science
Some Aggregation Operators for Lingu Garg, H; Kumar, K Arabian Journal For Science And	2019	25	[Garg, Harish; Kumar, Kamal] Thapar Inst Engr &	0 Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Investigation of optical, electrical and Aggarwal, N; Vasishth, A; Kau Journal Of Materials Science-Ma	2019	25	[Aggarwal, Nupur; Vasishth, Ajay] Chandigarh	3 Univ, Dept Phys, Mohali, India; [Kaur, Kamaldeep;	Web of Science
Diagnosis of Parkinson's Disease Using Kaur, S; Aggarwal, H; Rani, R Journal Of Medical Imaging And	2019	25	[Kaur, Sukhpal; Aggarwal, Himanshu] Punjabi	1 Univ, Dept Comp Engr, Patiala 147002, Punjab,	Web of Science

A co-relation study of efficient photocatalysis	Aulakh, MK; Pal, B	Journal Of The Taiwan Institute Of Technology	2019	25	[Aulakh, Manpreet Kaur; Pal, Bonamali] Thapar Inst Engr & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Generalized Intuitionistic Fuzzy Entropy	Garg, H	Proceedings Of The National Academy Of Sciences	2019	25	[Garg, Harish] Thapar Univ Patiala, Sch Math, Patiala 147004, Punjab, India	Web of Science
Effect of Irregularity on Torsional Surface Energy	Saha, A; Kundu, S; Gupta, S; V	Proceedings Of The National Academy Of Sciences	2019	25	[Kundu, Santimoy; Gupta, Shishir] Indian Institute of Technology, Dhanbad 826004, Jharkhand, India	Web of Science
Fast digital foreground gain error calibration	Kaur, J; Prabhakar, P; Singh, A	IEEE Transactions On Circuits Devices & Systems	2019	25	[Kaur, Jupinder] Bombardier Transport India, Vadodra, Gujarat, India; [Prabhakar, Prince; Singh, A] Thapar Univ Patiala, Sch Elect Engrg, Patiala 147004, Punjab, India	Web of Science
Hybrid Deep-Learning-Based Anomaly Detection	Garg, S; Kaur, K; Kumar, N; R	IEEE Transactions On Multimedia	2019	25	[Garg, Sahil; Kaur, Kuljeet] Univ Quebec, Dept Elect Engrg, Ecole Technol Super, Montreal, PQ H3C 2G4, Canada	Web of Science
Interlining Cr(VI) remediation mechanism	Banerjee, S; Kamila, B; Barma	Journal Of Environmental Management	2019	25	[Banerjee, Soumya; Mandal, Tamal; Haider, Gopinath] Natl Inst Technol Durgapur, Dept Chem Engrg, Durgapur, West Bengal, India	Web of Science
Potential use of waste foundry sand in concrete	Bansal, P; Verma, A; Mehta, C	Journal Of Environmental Management	2019	25	[Bansal, Palak; Verma, Anoop; Mehta, Charu] Thapar Inst Engr & Technol, Sch Energy & Environment, Patiala 147004, Punjab, India	Web of Science
Static and DC dynamic pull-in analysis	Sharma, AK; Godara, RK; Joglekar	Microsystem Technologies-Microsystem Technologies	2019	25	[Sharma, Atul Kumar; Joglekar, M. M.] Indian Institute of Technology, Roorkee, Dept Mech & Ind Engrg, Roorkee, Uttarakhand, India	Web of Science
Quantum Automata over Infinite Words	Bhatia, AS; Kumar, A	International Journal Of Theoretical Computer Science	2019	25	[Bhatia, Amanpreet Singh; Kumar, Ajay] Thapar Inst Engr & Technol, Dept Comp Sci, Patiala, Punjab, India	Web of Science
LA-MHR: Learning Automata Based Multi-Objective Optimization	Tanwar, S; Tyagi, S; Kumar, N	IEEE Systems Journal	2019	25	[Tanwar, Sudeep] Nirma Univ, Inst Technol, Dept Comp Engrg, Ahmadabad 382481, Gujarat, India; [Kumar, N] Thapar Univ, Dept Comp Sci & Engrg, Patiala 147004, Punjab, India	Web of Science
Multiobjective Optimization for Frequency Allocation	Kaur, K; Singh, M; Kumar, N	IEEE Systems Journal	2019	25	[Kaur, Kuljeet; Kumar, Neeraj] Thapar Univ, Dept Comp Sci & Engrg, Patiala 147004, Punjab, India; [Singh, M] Thapar Univ, Dept Comp Sci & Engrg, Patiala 147004, Punjab, India	Web of Science
In situ single-step reduction and sintering of TiO ₂ nanoparticles	Sharma, P; Kaur, T; Pandey, O	Journal Of The American Ceramic Society	2019	25	[Sharma, Piyush; Kaur, Taranpreet; Pandey, Om Prakash] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India; [Kumar, Suneel] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India	Web of Science
Memory loss in central heavy-ion collisions	Deepshikha; Kumar, S	Nuclear Physics A	2019	25	[Sharma, Ishita; Kumar, Raj; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India	Web of Science
Relevance of different Skyrme forces in neutron star matter	Sharma, I; Kumar, R; Sharma, S	Nuclear Physics A	2019	25	[Sharma, Ishita; Kumar, Raj; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India	Web of Science
Psychological stress detection using machine learning	Cheema, A; Singh, M	Biomedical Signal Processing And Analysis	2019	25	[Cheema, Amanpreet Singh; Singh, Mandeep] Thapar Inst Engr & Technol, Dept Elect & Instrumental Engrg, Patiala 147004, Punjab, India	Web of Science
PbTiO ₃ -Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multiferroic thin films	Lather, S; Dalal, J; Gupta, A; Singh	Ceramics International	2019	25	[Lather, Sushma; Dalal, Jasvir; Gupta, Anjali; Dahiya, Sajjan; Maan, A. S.; Ohlan, Anil] Maharshi Pratap Singh Institute of Technology, Ahmadpour, Najmeh; Sayadi, Mohammad Hossein] Univ Birjand, Sch Nat Resources & Environment, Birjand, Iran	Web of Science
Ultrasonic degradation of ibuprofen from aqueous solution	Ahmadpour, N; Sayadi, MH; V	Desalination And Water Treatment	2019	25	[Ahmadpour, Najmeh; Sayadi, Mohammad Hossein] Univ Birjand, Sch Nat Resources & Environment, Birjand, Iran	Web of Science
Analysis of the surface roughness for crack growth	Sirwal, SA; Singh, AK	Proceedings Of The Institution Of Mechanical Engineers	2019	25	[Sirwal, Sohaib Ahmad; Singh, Anant Kumar] Thapar Inst Engr & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
Crack growth analysis of carbon nanotubes	Negi, A; Bhardwaj, G; Saini, JS	Proceedings Of The Institution Of Mechanical Engineers	2019	25	[Negi, Alok; Bhardwaj, Gagandeep; Saini, J. S.; Grover, Neeraj] Thapar Inst Engr & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
Synthesis, characterization, and bioactivity of ZnO nanoparticles	Singh, D; Babbar, A; Jain, V; G	Journal Of The Brazilian Society For Materials Science	2019	25	[Singh, Daljeet; Babbar, Atul; Jain, Vivek; Gupta, Dheeraj] Thapar Inst Engr & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
The effect of templates on the morphology of ZnO nanoparticles	Jeet, S; Pandey, OP	Vacuum	2019	25	[Jeet, Suninder; Pandey, O. P.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147002, Punjab, India	Web of Science
Growth control of molybdenum thin films	Bansal, N; Pandey, K; Singh, K	Vacuum	2019	25	[Bansal, Neetu; Pandey, Kaushlendra; Singh, K.; Mohanty, Bhaskar Chandra] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147002, Punjab, India	Web of Science
Correlation between Luders band formation and strain rate	Singh, G; Nanda, T; Miadad, S	Archives Of Civil And Mechanical Engineering	2019	25	[Singh, Gurpreet; Nanda, Tarun] Thapar Inst Engr & Technol, Mech Engrg Dept, Patiala 147004, Punjab, India	Web of Science

Economic and environmental evaluati	Singh, A; Basak, P	Journal Of Cleaner Production	2019	25	[Singh, Arashdeep; Basak, Prasenjit] Thapar Inst 13 Engr & Technol, Elect & Instrumentat Engr Dept, [Sharma, Jyoti] Deemed Univ, Thapar Inst Engr &	Web of Science
Experimental designing of polymer-pc	Sharma, J; Ahuja, S; Arya, RK	Progress In Organic Coatings	2019	25	0 Technol, Sch Chem & Biochem, Bhadson Rd, [Sachdeva, Smiti; Agarwal, Ravinder] Thapar Inst	Web of Science
A Comparative Study of Gas Sensing P	Sachdeva, S; Agarwal, A; Agar	Journal Of Electronic Materials	2019	25	2 Engr & Technol, Patiala 147001, Punjab, India; [Sharma, Manisha] Kyoto Univ, Div Chem, Sakyo	Web of Science
Adsorption of heavy metal ions by me	Sharma, M; Singh, J; Hazra, S;	Microchemical Journal	2019	25	33 Ku, Kyoto 6068502, Japan; [Singh, Jasminder; [Sharma, Manisha] Kyoto Univ, Div Chem, Sakyo	Web of Science
Efficient metal ion adsorption and phc	Sharma, M; Singh, J; Basu, S	Microchemical Journal	2019	25	7 Ku, Kyoto 6068502, Japan; [Singh, Jasminder; [Rajput, Himadri; Changotra, Rahil; Dhir, Amit]	Web of Science
A facile synthesis of Cs loaded TiO2 na	Rajput, H; Changotra, R; Sang	Chemosphere	2019	25	2 Thapar Inst Engr & Technol, Sch Energy & [Jain, Deepak; Kamboj, Ishita; Bera, Tarun Kumar;	Web of Science
Experimental and numerical investiga	Jain, D; Kamboj, I; Bera, TK; K;	International Journal Of Heat Ar	2019	25	5 Singla, Rohit Kumar] Thapar Inst Engr & Technol, [Srinivas, Jangirala] OP Jindal Global Univ, Jindal	Web of Science
Government regulations in cyber secu	Srinivas, J; Das, AK; Kumar, N	Future Generation Computer Sy	2019	25	9 Global Business Sch, Sonipat 131001, Haryana, [Tiwari, Shailendra; Kaur, Kavkirat; Shivani,	Web of Science
Computed tomography reconstructior	Tiwari, S; Kaur, K; Pathak, Y; S	Modern Physics Letters B	2019	25	4 Shivendrapa] TIET, Comp Sci & Engr Dept, Patiala, [Sharma, Kanishka; Sawhney, Gudveen; Sharma,	Web of Science
Collective clusterization approach to ii	Sharma, K; Sawhney, G; Sharr	European Physical Journal A	2019	25	2 Manoj K.] Thapar Univ, Sch Phys & Mat Sci, Patiala [Kaur, Manjit; Singh, Dilbag; Sabharwal, Munish]	Web of Science
Multi-objective differential evolution I	Kaur, M; Gianey, HK; Singh, D	Modern Physics Letters B	2019	25	20 Chandigarh Univ, Apex Inst Technol, Mohali, [Kumari, Aparna; Tanwar, Sudeep] Nirma Univ,	Web of Science
Fog data analytics: A taxonomy and pr	Kumari, A; Tanwar, S; Tyagi, S	Journal Of Network And Compu	2019	25	12 Inst Technol, Dept Comp Sci & Engr, Ahmadabad, [Singh, Jasminder; Kumari, Pooja; Basu, Soumen]	Web of Science
Degradation of toxic industrial dyes us	Singh, J; Kumari, P; Basu, S	Journal Of Photochemistry And	2019	25	14 Thapar Inst Engr & Technol, Sch Chem & [Dhiman, Manisha; Singhal, Sonal] Panjab Univ,	Web of Science
Augmenting the photocatalytic perfor	Dhiman, M; Chudasama, B; K;	Ceramics International	2019	25	3 Dept Chem, Chandigarh 160014, India; [Dhiman, Gaurav] Thapar Inst Engr & Technol,	Web of Science
DHIMAN: A novel algorithm for econo	Dhiman, G; Singh, P; Kaur, H;	Modern Physics Letters A	2019	25	5 Comp Sci & Engr Dept, Patiala 147004, Punjab, [Kaur, Ravneet; Kushwaha, Jai Prakash; Singh,	Web of Science
Amoxicillin electro-catalytic oxidation	Kaur, R; Kushwaha, JP; Singh,	Electrochimica Acta	2019	25	18 Neetu] Thapar Inst Engr & Technol, Chem Engr [Dashairya, Love; Saha, Partha] Natl Inst Technol,	Web of Science
SnS2/RGO based nanocomposite for e	Dashairya, L; Sharma, M; Basi	Journal Of Alloys And Compound	2019	25	18 Dept Ceram Engr, Rourkela 769008, Odisha, [Anna, Tulsi; Chakraborty, Sandeep; Cheng, Chia-	Web of Science
Elucidation of microstructural change	Anna, T; Chakraborty, S; Chen	Scientific Reports	2019	25	1 Yi; Chiou, Arthur; Kuo, Wen-Chuan] Natl Yang [Singh, Rajmeet; Bera, Tarun Kumar] Thapar Inst	Web of Science
Fuzzy Logic Controller for Obstacle Av	Singh, R; Bera, TK	International Journal Of Nonline	2019	25	1 Engr & Technol, Dept Mech Engr, Patiala 147004, [Kumar, Anil] BML Munjal Univ, Sch Management,	Web of Science
Combined artificial bee colony algorit	Kumar, A; Kabra, G; Mussada,	Neural Computing & Applicatio	2019	25	2 Gurgaon, Haryana, India; [Kabra, Gaurav] Xavier [Akhtar, Nadeem; Gupta, Kanika; Goyal, Dinesh]	Web of Science
LIGNOCELLULOSIC BIOMASS CHARACT	Akhtar, N; Gupta, K; Goyal, D;	Environmental Engineering And	2019	25	2 Thapar Univ, Dept Biotechnol, Patiala 147004, [Punj, Shivani; Singh, K.] Thapar Inst Engr &	Web of Science
Blue-green light emitting inherent lurr	Punj, S; Singh, K	Journal Of Materials Science-Ma	2019	25	7 Technol, Sch Phys & Mat Sci, Patiala 147004, [Ghosh, Smarajit; Kaur, Manvir; Bhullar, Suman]	Web of Science
Hybrid ABC-BAT for Solving Short-Terr	Ghosh, S; Kaur, M; Bhullar, S;	Energies	2019	25	6 Thapar Inst Engr & Technol, Dept Elect &	Web of Science

Delayed information induces oscillatic	Kumar, A; Srivastava, PK; Yad:	International Journal Of Biomatl	2019	25	[Kumar, Anuj] Thapar Inst Engn & Technol, Sch	Web of Science
Some Common Fixed Point Theorems	Dhawana, P; Kaur, J	Mathematics	2019	25	1 Math, Patiala 147004, Punjab, India; [Kumar, Dhawan, Pooja; Kaur, Jatinderdeep] Thapar Inst	Web of Science
Design and development of 2 kW, 3 dl	Jain, A; Yadav, RP; Kulkarni, S'	International Journal Of Microw	2019	25	0 Engn & Technol, Patiala 147004, Punjab, India [Jain, Abhinav; Yadav, Rana Pratap] Thapar Inst	Web of Science
Optimal position and rating of DG in d	Bala, R; Ghosh, S	Neural Computing & Applicator	2019	25	3 Engn & Technol, Elect & Commun Dept, Patiaia, [Bala, Rajni] Baba Banda Singh Bahadur Engn Coll,	Web of Science
Post-yield deformation parameters of	Yadav, D; Kwatra, N; Agarwal,	Structural Concrete	2019	25	5 Dept Elect Engn, Fatehgarh Sahib 140407, Punjab, [Yadav, Divyashree; Kwatra, Naveen] Thapar Inst	Web of Science
Strength and microstructural analysis	Grubesa, IN; Radeka, M; Mal	Structural Concrete	2019	25	4 Engn & Technol, Dept Civil Engn, Patiala 147001, [Grubesa, Ivanka N.] Josip Juraj Strossmayer Univ	Web of Science
A Retroactive Approach for Dynamic S	Sunita; Garg, D	National Academy Science Lette	2019	25	3 Osijek, Fac Civil Engn Osijek, Drinska 16a, Osijek [Sunita; Garg, Deepak] Thapar Univ, Patiala,	Web of Science
Third generation of advanced high-str	Nanda, T; Singh, V; Singh, V; C	Proceedings Of The Institution C	2019	25	1 Punjab, India [Nanda, Tarun; Singh, Vishal; Singh, Virender;	Web of Science
Evolution of Internet of Things (IoT) ar	Khanna, A; Kaur, S	Computers And Electronics In A	2019	25	5 Chakraborty, Arnab; Sharma, Sandeep] Thapar [Khanna, Abhishek; Kaur, Sanmeet] Thapar Inst	Web of Science
Optimizing acrylonitrile grafting onto	Mukherjee, A; Barman, S; Hal	Journal Of Environmental Chem	2019	25	42 Engn & Technol, Comp Sci & Engn Dept, Patiala, [Mukherjee, Aparna; Halder, Gopinath] Natl Inst	Web of Science
Performance of a new ceramic microfi	Saini, P; Bulasara, VK; Reddy,	Chemical Engineering Communi	2019	25	0 Technol Durgapur, Dept Chem Engn, Durgapur [Saini, Priyanka; Reddy, Akepati S.] Thapar Univ,	Web of Science
Recent Advances and Developments c	Tandon, R; Singh, I; Luxami, V	Chemical Record	2019	25	5 Sch Energy & Environm, Patiala, Punjab, India; [Tandon, Runjhun; Tandon, Nitin] Lovely Profess	Web of Science
Prediction of drug synergy score using	Singh, H; Rana, PS; Singh, U	let Systems Biology	2019	25	2 Univ, Sch Phys Sci, Dept Chem, Phagwara 144411, [Singh, Harpreet; Rana, Prashant Singh] Thapar	Web of Science
Modeling and Optimization of HAZ Ch	Sharma, SK; Maheshwari, S; S	Transactions Of The Indian Instil	2019	25	0 Inst Engn & Technol, Comp Sci & Engn Dept, [Sharma, Satish Kumar; Singh, Ratnesh Kumar Raj]	Web of Science
Caching methodologies in Content cer	Lal, N; Kumar, S; Kadian, G; Cl	Computer Science Review	2019	25	0 Thapar Inst Engn & Technol, Mech Engn Dept, [Lal, Nidhi; Kadian, Garima] Thapar Univ, Patiala,	Web of Science
Elucidation of preferential elimination	Banerjee, S; Barman, S; Halde	Environmental Earth Sciences	2019	25	0 Punjab, India; [Kumar, Shishupal; Chaurasiya, [Banerjee, Soumya; Halder, Gopinath] Natl Inst	Web of Science
A method for generating multiple solu	Sharma, SK; Duvedi, RK; Bedi,	International Journal Of Advanc	2019	25	0 Technol, Dept Chem Engn, Durgapur 713209, W [Sharma, Sandeep Kumar; Duvedi, Ravinder	Web of Science
N-semble: neural network based ense	Royal, R; Khanna, D; Sandhu,	International Journal Of Machin	2019	25	1 Kumar] Thapar Inst Engn & Technol, Patiala, [Rayal, Rishith] ABV Indian Inst Informat Technol,	Web of Science
An initial new approach for magnetorl	Bedi, TS; Singh, AK	International Journal Of Advanc	2019	25	4 Dept Informat & Commun Technol, Gwalior [Bedi, Talwinder Singh; Singh, Anant Kumar]	Web of Science
Improved design of magnetorheologic	Grover, V; Singh, AK	International Journal Of Advanc	2019	25	0 Thapar Inst Engn & Technol, Dept Mech Engn, [Grover, Vishwas; Singh, Anant Kumar] Thapar	Web of Science
Perturbation in cellular redox homeos	Gambhir, L; Sharma, V; Kandv	International Immunopharmac	2019	25	3 Univ, Mech Engn Dept, Patiala 147004, Punjab, [Gambhir, Lokesh] Shri Guru Ram Rai Univ, Dept	Web of Science
Modeling of surface roughness in the	Grover, V; Singh, AK	Proceedings Of The Institution C	2019	25	1 Life Sci, Dehra Dun 248001, Uttarakhand, India; [Grover, Vishwas; Singh, Anant Kumar] Thapar	Web of Science
Cadmium induced glutathione bioacct	Khullar, S; Reddy, MS	Biometals	2019	25	3 Univ, Dept Mech Engn, Patiala 147004, Punjab, [Khullar, Shikha; Reddy, M. Sudhakara] Thapar	Web of Science
					2 Inst Engn & Technol, Dept Biotechnol, Bhadson	Web of Science

Seagull optimization algorithm: Theor	Dhiman, G; Kumar, V	Knowledge-Based Systems	2019	25	[Dhiman, Gaurav; Kumar, Vijay] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala 147004,	Web of Science
Mean centred clustering: improving m	Kaur, C; Kumar, R	Sadhana-Academy Proceedings	2019	25	[Kaur, Chandanpreet; Kumar, Ravi] Thapar Univ, 0 Dept Elect & Comp Engn, Patiala 147004, Punjab,	Web of Science
Protocol Stack of Underwater Wireles	Goyal, N; Dave, M; Verma, AK	Wireless Personal Communicati	2019	25	[Goyal, Nitin; Dave, Mayank] Natl Inst Technol, 6 Dept Comp Engn, Kurukshetra 136119, Haryana,	Web of Science
Performance Evaluation of SFBC MIM	Chawla, T; Kansal, A	Wireless Personal Communicati	2019	25	[Chawla, Tanvi; Kansal, Ankush] Thapar Univ, 2 Patiala, Punjab, India	Web of Science
A robust correlation coefficient meas	Garg, H; Rani, D	Applied Intelligence	2019	25	[Garg, Harish; Rani, Dimple] Deemed Univ, Sch 25 Math, Thapar Inst Engn & Technol, Patiala	Web of Science
Discussion of "Analysis of passive eart	Ganesh, R	Canadian Geotechnical Journal	2019	25	[Ganesh, R.] Thapar Inst Engn & Technol, Dept 1 Civil Engn, Patiala 147004, Punjab, India	Web of Science
Parametric study of electro-Fenton tre	Kaur, P; Sangal, VK; Kushwaha,	International Journal Of Environ	2019	25	[Kaur, P.; Sangal, V. K.; Kushwaha, J. P.] Thapar 11 Inst Engn & Technol Deemed Be Univ, Dept Chem	Web of Science
Structural, kinetic and thermodynamic	Jain, R; Sharma, D; Kumar, R;	Journal Of Biochemistry	2019	25	[Jain, Rishu; Kumar, Rajesh] Thapar Univ, Sch 1 Chem & Biochem, Patiala 147004, Punjab, India;	Web of Science
Quaternary polymeric coating as an al	Prashar, A; Sharma, J; Ahuja, '	Progress In Organic Coatings	2019	25	[Prashar, Anubhav; Ahuja, Sanjeev; Chandra, 1 Avinash] Thapar Inst Engn & Technol, Dept Chem	Web of Science
Optimization of sodium dodecyl sulph	Sharma, I; Sharma, J; Ahuja, S	Progress In Organic Coatings	2019	25	[Sharma, Ishita; Sharma, Jyoti] Thapar Inst Engn & 0 Technol, Sch Chem & Biochem, Bhadson Rd,	Web of Science
Trajectory Tracking of 3D Hybrid	Mani Arora, R; Bera, TK	Arabian Journal For Science And	2019	25	[Arora, R.] Thapar Inst Engn & Technol, Mech 0 Engn Dept, Patiala 147004, Punjab, India; [Bera, T.	Web of Science
Decay of Pb-203,Pb-204 Nuclei at Ene	Virk, NK; Kumar, R; Sharma, N	Brazilian Journal Of Physics	2019	25	[Virk, Navjot Kaur; Kumar, Raj; Sharma, Manoj K.] 0 TIET, Sch Phys & Mat Sci, Patiala 147004, Punjab,	Web of Science
Ensemble classifier for improve diagn	Dubey, K; Singla, N; Butola, A;	Laser Physics Letters	2019	25	[Dubey, Kavita; Singla, Neeru; Srivastava, Vishal] 2 Thapar Univ, Dept Elect & Instrumentat Engn,	Web of Science
Amphiphilic carbon dots derived by ca	Kaur, N; Mehta, A; Mishra, A;	Materials Science & Engineering	2019	25	[Kaur, Navneet; Rawat, Mohit] Sri Guru Granth 5 Sahib World Univ, Dept Nanotechnol, Fatehgarh	Web of Science
A complementary Sierpinski gasket fr	Kaur, A; Gupta, S	Microwave And Optical Technol	2019	25	[Kaur, Amanpreet; Gupta, Sheifali] Thapar Univ, 1 Dept Elect & Commun Engn, Patiala 147004,	Web of Science
Using Solar Energy for Water Purificat	Ohri, V; Khullar, V	Journal Of Solar Energy Enginee	2019	25	[Ohri, Virender; Khullar, Vikrant] Thapar Inst Engn 2 & Technol, Mech Engn Dept, Patiala 147004,	Web of Science
Cognitive complexity as a quantifier o	Kaur, L; Mishra, A	Information And Software Techn	2019	25	[Kaur, Loveleen; Mishra, Ashutosh] Thapar Inst 1 Engn & Technol, Dept Comp Sci & Engn, Patiala,	Web of Science
Design of secure key management an	Wazid, M; Das, AK; Kumar, N;	Future Generation Computer Sy	2019	25	[Wazid, Mohammad] Innopolis Univ, Cyber Secur 27 & Networks Lab, Innopolis, Russia; [Das, Ashok	Web of Science
DRoS: A demand response optimizat	Aujla, GS; Garg, S; Batra, S;	Ku Information Sciences	2019	25	[Aujla, Gagangeet Singh; Garg, Sahil; Batra, 4 Shalini; Kumar, Neeraj] Thapar Inst Engn &	Web of Science
ALFC of hybrid multi-generation powe	Prakash, S; Sinha, SK	International Journal Of Electror	2019	25	[Prakash, Surya] Thapar Inst Engn & Technol, Elect 4 & Instrumentat Engn Dept, Patiala, Punjab, India;	Web of Science
Generalized intuitionistic fuzzy soft po	Garg, H; Arora, R	International Journal Of Intellige	2019	25	[Garg, Harish; Arora, Rishu] Thapar Inst Engn & 40 Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Phase and Shape Dependent Photoact	Kaur, J; Pal, B	Journal Of Nanoscience And Nar	2019	25	[Kaur, Jaspreet; Pal, Bonamali] Thapar Inst Engn & 0 Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science
Non-isothermal oxidation kinetics of n	Sharma, P; Pandey, OP	Journal Of Alloys And Compoun	2019	25	[Sharma, Piyush; Pandey, O. P.] Thapar Inst Engn 4 & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science

Apparent resistance to fall in forced vi	Mittal, SK; Gupta, S; Agarwal, Human And Ecological Risk Asses	2019	25	[Mittal, Susheel K.] Thapar Inst Engr & Technol, 1 Sch Chem & Biochem, Patiala 147004, Punjab, [Sharma, Satish Kumar; Singh, Ratnesh Kumar Raj]	Web of Science
Effect of heat-input and cooling-time i	Sharma, SK; Maheshwari, S; S Materials And Manufacturing Pr	2019	25	6 Thapar Inst Engr & Technol, Mech Engr Dept, [Vanzara, Rakeshkumar] Ganpat Univ, UV Patel	Web of Science
ADYTIA: Adaptive and Dynamic TCP In	Vanzara, R; Sharma, P; Bhatt, International Journal Of Commu	2019	25	0 Coll Engr, Mehsana, India; [Sharma, Priyanka; [Garg, Alok] Thapar Inst Engr & Technol, Dept	Web of Science
Photocatalytic Degradation of Bispher	Garg, A; Singhania, T; Singh, A Scientific Reports	2019	25	20 Chem Engr, Patiala 147004, Punjab, India; [Goyal, Nitin; Bulasara, Vijaya Kumar; Barman, 3 Sanghamitra] Thapar Univ, Dept Chem Engr, [Kumar, Sanjeev; Mittal, Susheel K.] Thapar Inst	Web of Science
Tailoring of nanozeolite NaX for enhar	Goyal, N; Bulasara, VK; Barm; Separation Science And Technol	2019	25	3 Sanghamitra] Thapar Univ, Dept Chem Engr, [Kumar, Sanjeev; Mittal, Susheel K.] Thapar Inst	Web of Science
Enhanced performance of organic nar	Kumar, S; Mittal, SK; Kaur, N Analytical Methods	2019	25	1 Engr & Technol, Sch Chem & Biochem, Patiala [Sharma, Raju; Bansal, Prem Pal] Thapar Inst Engr	Web of Science
Behavior of RC exterior beam column	Sharma, R; Bansal, PP Construction And Building Mate	2019	25	6 & Technol, Dept Civil Engr, Patiala 147004, [Hussan, K. P. Safna; Thayyil, M. Shahin] Univ	Web of Science
Development of an ionogel membran	Hussan, KPS; Thayyil, MS; Jini Journal Of Molecular Liquids	2019	25	5 Calicut, Dept Phys, Malappuram 673635, Kerala, [Feng, Qi; He, Debiao] Wuhan Univ, Sch Cyber Sci	Web of Science
A survey on privacy protection in bloc	Feng, Q; He, DB; Zeadally, S; k Journal Of Network And Compu	2019	25	43 & Engr, Minist Educ, Key Lab Aerosp Informat [Kumar, Ch Sateesh] Thapar Inst Engr & Technol, 5 Dept Mech Engr, Patiala 147004, Punjab, India; [Changotra, Rahil; Dhir, Amit] Thapar Inst Engr & 14 Technol, Sch Energy & Environm, Patiala 147004, [Sheoran, Ankush; Dhiman, Manisha; Malik, 7 Rupal; Agarwal, Jyoti; Singhal, Sonal] Panjab Univ, [Kaushal, Sarbjeet] Thapar Univ, Dept Mech Engr, 1 Patiala, Punjab, India; [Singh, Satnam] Northcap [Gill, Sukhpal Singh; Buyya, Rajkumar] Univ	Web of Science
Effect of duplex nanostructured TiAlSi	Kumar, CS; Patel, SK Wear	2019	25	5 Dept Mech Engr, Patiala 147004, Punjab, India; [Changotra, Rahil; Dhir, Amit] Thapar Inst Engr & 14 Technol, Sch Energy & Environm, Patiala 147004, [Sheoran, Ankush; Dhiman, Manisha; Malik, 7 Rupal; Agarwal, Jyoti; Singhal, Sonal] Panjab Univ, [Kaushal, Sarbjeet] Thapar Univ, Dept Mech Engr, 1 Patiala, Punjab, India; [Singh, Satnam] Northcap [Gill, Sukhpal Singh; Buyya, Rajkumar] Univ	Web of Science
Electron beam induced degradation o	Changotra, R; Guin, JP; Khade Chemical Engineering Journal	2019	25	14 Technol, Sch Energy & Environm, Patiala 147004, [Sheoran, Ankush; Dhiman, Manisha; Malik, 7 Rupal; Agarwal, Jyoti; Singhal, Sonal] Panjab Univ, [Kaushal, Sarbjeet] Thapar Univ, Dept Mech Engr, 1 Patiala, Punjab, India; [Singh, Satnam] Northcap [Gill, Sukhpal Singh; Buyya, Rajkumar] Univ	Web of Science
Development of magnetically retrieva	Sheoran, A; Dhiman, M; Bhuk Materials Chemistry And Physic	2019	25	7 Rupal; Agarwal, Jyoti; Singhal, Sonal] Panjab Univ, [Kaushal, Sarbjeet] Thapar Univ, Dept Mech Engr, 1 Patiala, Punjab, India; [Singh, Satnam] Northcap [Gill, Sukhpal Singh; Buyya, Rajkumar] Univ	Web of Science
Slurry erosion behavior of plasma spr	Kaushal, S; Singh, S Industrial Lubrication And Tribol	2019	25	1 Patiala, Punjab, India; [Singh, Satnam] Northcap [Gill, Sukhpal Singh; Buyya, Rajkumar] Univ	Web of Science
RADAR: Self-configuring and self-heal	Gill, SS; Chana, I; Singh, M; Bu Concurrency And Computatio	2019	25	4 Melbourne, Sch Comp & Informat Syst, Cloud [Saxena, S.; Sharma, D.] Thapar Univ, Sch	Web of Science
Transformation of Identity as a Travell	Saxena, S; Sharma, D Interventions-International Jour	2019	25	0 Humanities & Social Sci, Patiala, Punjab, India [Sakshi, Sakshi; Kumar, Ravi] Thapar Univ, Elect & 0 Commun Engr Dept, Patiala 147004, Punjab, India [Kukreja, Sonal; Kasana, Geeta; Kasana, Singara 0 Singh] Thapar Inst Engr & Technol, Comp Sci & [Sharma, Vanita; Kumar, Satish] Thapar Inst Engr	Web of Science
A Neuro-Genetic Technique for Prunir	Sakshi, S; Kumar, R Applied Artificial Intelligence	2019	25	0 Commun Engr Dept, Patiala 147004, Punjab, India [Kukreja, Sonal; Kasana, Geeta; Kasana, Singara 0 Singh] Thapar Inst Engr & Technol, Comp Sci & [Sharma, Vanita; Kumar, Satish] Thapar Inst Engr	Web of Science
CELLULAR AUTOMATA BASED IMAGE	Kukreja, S; Kasana, G; Kasana, Computing And Informatics	2019	25	0 Singh] Thapar Inst Engr & Technol, Comp Sci & [Sharma, Vanita; Kumar, Satish] Thapar Inst Engr	Web of Science
MODELLING OF LOVE-TYPE WAVES IN	Sharma, V; Kumar, S Journal Of Theoretical And Appl	2019	25	0 & Technol, Sch Math, Patiala, Punjab, India [Garg, Harish; Kaur, Gagandeep] Thapar Inst Engr	Web of Science
Cubic Intuitionistic Fuzzy Sets and its	F Garg, H; Kaur, G Journal Of Multiple-Valued Logi	2019	25	7 & Technol Deemed Univ, Sch OfMath, Patiala [Sharma, Bhisham; Bajaj, Karan] Chitkara Univ, 0 Sch Engr & Technol, Haryana, Himachal Prades, [Wang, Lei; Li, Na] Liaoning Tech Univ, Dept Basic 4 Teaching, Huludao 125105, Peoples R China; [Nguyen Xuan Thao; Le Thi Nhung] Vietnam Natl 1 Univ Agr, Hanoi, Vietnam; [Ali, Mumtaz] Deakin [Perveen, Fathima P. A.; John, Sunil Jacob] Natl 4 Inst Technol Calicut, Dept Math, Kozhikode	Web of Science
A Comparative Study on Frameworks,	Sharma, B; Obaidat, MS; Singl Ad Hoc & Sensor Wireless Netw	2019	25	0 Sch Engr & Technol, Haryana, Himachal Prades, [Wang, Lei; Li, Na] Liaoning Tech Univ, Dept Basic 4 Teaching, Huludao 125105, Peoples R China; [Nguyen Xuan Thao; Le Thi Nhung] Vietnam Natl 1 Univ Agr, Hanoi, Vietnam; [Ali, Mumtaz] Deakin [Perveen, Fathima P. A.; John, Sunil Jacob] Natl 4 Inst Technol Calicut, Dept Math, Kozhikode	Web of Science
Interval-Valued q-Rung Orthopair 2-Tl	Wang, L; Garg, H; Li, N Ieee Access	2019	25	4 Teaching, Huludao 125105, Peoples R China; [Nguyen Xuan Thao; Le Thi Nhung] Vietnam Natl 1 Univ Agr, Hanoi, Vietnam; [Ali, Mumtaz] Deakin [Perveen, Fathima P. A.; John, Sunil Jacob] Natl 4 Inst Technol Calicut, Dept Math, Kozhikode	Web of Science
A new multi-criteria decision making	Thao, NX; Ali, M; Nhung, LT; C Journal Of Intelligent & Fuzzy Sy	2019	25	1 Univ Agr, Hanoi, Vietnam; [Ali, Mumtaz] Deakin [Perveen, Fathima P. A.; John, Sunil Jacob] Natl 4 Inst Technol Calicut, Dept Math, Kozhikode	Web of Science
Spherical fuzzy soft sets and its applic	Perveen, PAF; John, SJ; Babitt Journal Of Intelligent & Fuzzy Sy	2019	25	4 Inst Technol Calicut, Dept Math, Kozhikode	Web of Science

Numerical study of pore formation in	Shukla, RK; Kumar, A; Kumar, Surface & Coatings Technology	2019	25	[Shukla, Rajesh Kumar] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala 147003, Punjab, India	Web of Science
A simple fermentative process for ens	Batra, V; Ghosh, M; Ganguli, /Quality Assurance And Safety Of	2019	25	[Batra, V] SR Enterprises, Food Innovat Unit, Baddi, Himachal Prades, India; [Ghosh, M.] Islamic Azad Univ, Dept Comp	Web of Science
A novel approach for solving all-pairs :	Enayattabr, M; Ebrahimnejad Journal Of Intelligent & Fuzzy Sy	2019	25	[Enayattabr, M.] Islamic Azad Univ, Dept Comp Engn, Babol Branch, Babol Sar, Iran;	Web of Science
Fast and accurate synthesis of frequer	Kumar, R; Kumar, P; Singh, S; Aeu-International Journal Of Ele	2019	25	[Kumar, Rajeev] Chitkara Univ, Inst Engn & Technol, Rajpura, Punjab, India; [Kumar, Pawan] Thapar Inst Engn & Technol, Sch Math, Patiala,	Web of Science
Higher Order Duality of Multiobjective	Kaur, A; Kailey, N; Sharma, M| Filomat	2019	25	[Kaur, Arshpreet; Kailey, Navdeep; Sharma, M. K.] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Higher-Order Symmetric Duality in No	Kailey, N; Sonali Filomat	2019	25	[Kailey, N.; Sonali] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science
VARIOUS FIXED POINT THEOREMS IN I	Manro, S; Chandok, S; Bhatia, Journal Of Nonlinear And Conve	2019	25	[Manro, Saurabh; Chandok, Sumit; Bhatia, S. S.] Thapar Univ, Sch Math, Patiala 147004, Punjab, India	Web of Science
Some new results on expansion mapp	Dhawan, P; Kaur, J; Gupta, V Journal Of Intelligent & Fuzzy Sy	2019	25	[Dhawan, Pooja; Kaur, Jatinderdeep] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India;	Web of Science
Complex Interval-valued Intuitionistic	Garg, H; Rani, D Fundamenta Informaticae	2019	25	[Garg, Harish; Rani, Dimple] Deemed Univ, Sch Math, Thapar Inst Engn & Technol, Patiala	Web of Science
Performance Comparison of Evolution	Kaur, N; Sharma, S; Kaur, J Elektronika Ir Elektrotechnika	2019	25	[Kaur, Navneet; Sharma, Surbhi; Kaur, Jaswinder] Thapar Inst Engn & Technol, Elect & Commun	Web of Science
Entropy and distance measures of Pyt	Athira, TM; John, SJ; Garg, H Journal Of Intelligent & Fuzzy Sy	2019	25	[Athira, T. M.; John, Sunil Jacob] Natl Inst Technol, Dept Math, Calicut, Kerala, India; [Garg, Harish] Thapar Inst Engn & Technol, Dept Elect & Technol, Patiala,	Web of Science
A Novel Two-stage Residual Learning I	Sharma, S; Bawa, VS; Kumar, Fundamenta Informaticae	2019	25	[Sharma, Shaileza; Bawa, Vivek Singh; Kumar, Vinay] Thapar Inst Engn & Technol, Dept Elect & Technol, Mohan Lal Sukhadia Univ, Dept	Web of Science
Temperature-controlled synthesis of	Khan, I; Singh, J; Khan, I; Dutt, Arkivoc	2019	25	[Khan, Irfan] Mohan Lal Sukhadia Univ, Dept Chem, Coordinat Chem Lab, Udaipur, Rajasthan,	Web of Science
Toxicity prediction of small drug mole	Gupta, VK; Rana, PS Turkish Journal Of Electrical Eng	2019	25	[Gupta, Vishan Kumar; Rana, Prashant Singh] Thapar Inst Engn & Technol, Dept Comp Sci & Technol, Patiala,	Web of Science
Novel results on a fixed function and t	Dhawan, P; Kaur, J; Gupta, V Proceedings Of The Estonian Ac	2019	25	[Dhawan, Pooja; Kaur, Jatinderdeep] Thapar Inst Engn & Technol, Sch Math, Patiala 147004,	Web of Science
Implementation of evolutionary comp	Jing, W; Yaseen, ZM; Shahid, 'Engineering Applications Of Con	2019	25	[Jing, Wang; Tao, Hai] Baoji Univ Arts & Sci, Dept Comp Sci, Baoji, Shaanxi, Peoples R China; [Jing, Salih, Sinan Q.] Duy Tan Univ, Inst Res & Dev, Da	Web of Science
Viability of the advanced adaptive net	Salih, SQ; Allawi, MF; Yousif, /Engineering Applications Of Con	2019	25	[Salih, Sinan Q.] Duy Tan Univ, Inst Res & Dev, Da Nang 550000, Vietnam; [Allawi, Mohammed Sharma, Madhu; Kwatra, Naveen] Thapar Univ,	Web of Science
Predictive Modelling of RC Skew Slabs	Sharma, M; Kwatra, N; Singh, Structural Engineering Internatic	2019	25	[Sharma, Madhu; Kwatra, Naveen] Thapar Univ, Civil Engn Dept, Patiala, Punjab, India; [Singh, Chauhan, Anjali; Sillu, Devendra; Agnihotri, Shekhar] Thapar Inst Engn & Technol, Dept	Web of Science
Removal of Pharmaceutical Contamin	Chauhan, A; Sillu, D; Agnihotr Current Drug Metabolism	2019	25	[Chauhan, Anjali; Sillu, Devendra; Agnihotri, Shekhar] Thapar Inst Engn & Technol, Dept	Web of Science
A novel method for solving the fully n	Singh, A; Kumar, A; Appadoo, Journal Of Intelligent & Fuzzy Sy	2019	25	[Singh, Akanksha; Kumar, Amit] Deemed Be Univ, Thapar Inst Engn & Technol, Sch Math, Patiala,	Web of Science
A note on "Transportation problem ur	Mishra, A; Kumar, A; Khan, M Journal Of Intelligent & Fuzzy Sy	2019	25	[Mishra, Akansha; Kumar, Amit] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India;	Web of Science
Natural polymer based composite me	Dongre, RS; Sadasivuni, KK; D Polymer-Plastics Technology An	2019	25	[Dongre, Rajendra S.; Meshram, Jostna S.] RTM Nagpur Univ, PGTD Chem, Nagpur, Maharashtra,	Web of Science
MULTIPLE CRITERIA DECISION MAKINC	Garg, H; Nancy Applied And Computational Ma	2019	25	[Garg, Harish; Nancy] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science

Erosion wear performance of Ni-Cr-O	Singh, J; Kumar, S; Mohapatra	Industrial Lubrication And Tribol	2019	25	[Singh, Jashanpreet; Mohapatra, S. K.] Thapar Inst Engr & Technol, Dept Mech Engr, Patiala, Punjab,	Web of Science
Commentary on "A reply to a Note on	Kaur, A; Kumar, A; Appadoo,	Journal Of Intelligent & Fuzzy Sy	2019	25	0 Thapar Inst Engr & Technol, Sch Math, Patiala,	Web of Science
A topological structure involving hesit	Deepak, D; Mathew, B; John,	Journal Of Intelligent & Fuzzy Sy	2019	25	10 [Mathew, Bibin; John, Sunil Jacob] Natl Inst	Web of Science
FEM simulation analysis of fiber optic	Singh, S; Kaler, RS; Sharma, S	Optik	2019	25	0 Technol, Dept Elect & Commun Engr, Patiala	Web of Science
An overview of simultaneous sacchari	Saggi, SK; Dey, P	Biofuels-Uk	2019	25	3 Patiala, Punjab, India; [Dey, Pinaki] ITM Univ,	Web of Science
A Unified Framework for Behaviour	M Grewal, A; Kaur, M; Park, JH	Wireless Communications & Mo	2019	25	0 Engr & Technol, Comp Sci & Engr Dept, Patiala,	Web of Science
ADAPTIVE REVERSIBLE DATA HIDING	S Kukreja, S; Kasana, G; Kasana,	Computing And Informatics	2019	25	0 Singh] Thapar Inst Engr & Technol, Comp Sci &	Web of Science
A process-tolerant low-power adder	a Garg, B; Sharma, GK	Turkish Journal Of Electrical Eng	2019	25	1 Engr, Fac Engr, Patiala, Punjab, India; [Sharma, G.	Web of Science
An Efficient and Secure Authenticator	Zhang, JN; He, DB; Kumar, N;	Journal Of Internet Technology	2019	25	1 Sci & Engr, Minist Educ, Key Lab Aerosp Informat	Web of Science
Performance of Different Inert Gases	i Singh, N; Kushwaha, JP	Theoretical Foundations Of Chem	2019	25	0 Engr Technol, Dept Chem Engr, Patiala 147004,	Web of Science
New Operations on Interval-Valued Pi	Khalil, AM; Li, SG; Garg, H; Li,	Ieee Access	2019	25	16 Normal Univ, Coll Math & Informat Sci, Xian	Web of Science
Hiding clinical information in medical	| Bhardwaj, R; Aggarwal, A	Optik	2019	25	3 Inst Engr & Technol, Dept Comp Sci & Engr,	Web of Science
NO-REFERENCE IMAGE QUALITY ASSE	Bagade, JV; Singh, K; Dandaw	Malaysian Journal Of Computer	2019	25	0 Patiala, Punjab, India; [Singh, Kulbir] Thapar Univ,	Web of Science
A Secure and Privacy Preserving Partia	Hosen, ASMS; Singh, S; Maria	Ieee Access	2019	25	3 Hwan] Chonbuk Natl Univ, Div Comp Sci & Engr,	Web of Science
Critical success factors of agri-busines	Bose, SC; Kiran, R; Goyal, D	Custos E Agronegocio On Line	2019	25	0 Technol, Sch Humanities & Social Sci, Patiala	Web of Science
Assessment of despeckle filtering algo	Kriti; Virmani, J; Agarwal, R	Biocybernetics And Biomedical I	2019	25	6 Technol, Patiala, Punjab, India; [Virmani, Jitendra]	Web of Science
EFF-FAS: enhanced fruit fly optimisatic	Sharma, V; Sabatini, R; Ramas	International Journal Of Ad Hoc	2019	25	0 Informat Secur Engr, Asan 31538, South Korea;	Web of Science
A Novel Electrochemical Hydrogen Stc	Oberoi, AS; Nijhawan, P; Singl	Energies	2019	25	3 Technol, Dept Mech Engr, Patiala 147004, Punjab,	Web of Science
Experimental Validation of a Frequenc	Sharma, A; Panwar, R; Khanna	Ieee Magnetics Letters	2019	25	10 Engr & Technol, Dept Elect & Commun Engr,	Web of Science
ON THE POWER OF TWO-WAY MULTIH	Bhatia, AS; Kumar, A	Rairo-Theoretical Informatics Ar	2019	25	1 Inst Engr & Technol, Dept Comp Sci, Patiala,	Web of Science
Scene perception system for visually ii	Kaur, B; Bhattacharya, J	Journal Of Electronic Imaging	2019	25	2 & Technol, Comp Sci & Engr, Patiala, Punjab,	Web of Science
Clustering-based computation of degr	Bhola, P; Bhardwaj, S	Journal Of Renewable And Susta	2019	25	0 Instrumentat Engr Dept, Patiala, Punjab, India	Web of Science
Parametric study of the energy efficien	garg, K; Khullar, V; Das, SK; Ty	Journal Of Thermal Analysis And	2019	25	8 Inst Technol, Sch Mech Mat & Energy Engr,	Web of Science

Investigation of factors influencing the	Bhalla, V; Khullar, V; Tyagi, H	Journal Of Thermal Analysis And	2019	25	[Bhalla, Vishal; Tyagi, Himanshu] Indian Inst Technol Ropar, Dept Mech Engr, Rupnagar	Web of Science
Error probability analysis of STBC-OFDM	Singh, D; Joshi, HD	Aeu-International Journal Of Ele	2019	25	[Singh, Daljeet] Lovely Profess Univ, Dept ECE, Phagwara, Punjab, India; [Singh, Daljeet; Joshi, Jagpreet; Kaur, Sukhmeen; Rawat, Mohit]	Web of Science
Biogenic ZnO nanoparticles: a study of	Singh, J; Kaur, S; Kaur, G; Basu	Green Processing And Synthesis	2019	25	10 Sri Guru Granth Sahib World Univ, Dept [Sharma, Mandeep; Bansal, Raj Kumar] Guru	Web of Science
Robustness Analysis of LFC for Multi A	Sharma, M; Bansal, RK; Praka	Journal Of Electrical Engineering	2019	25	1 Kashi Univ, Dept Elect Engr, Bathinda, Punjab, [Dhawan, Pooja; Jain, Kapil; Kaur, Jatinderdeep]	Web of Science
alpha(H)-psi(H)-Multivalued Contracti	Dhawan, P; Jain, K; Kaur, J	Mathematics	2019	25	0 Thapar Inst Engr & Technol, Patiala 147004, [Jan, Naeem; Ullah, Kifayat; Mahmood, Tahir] Int	Web of Science
Some Root Level Modifications in Inte	Jan, N; Ullah, K; Mahmood, T;	Mathematics	2019	25	8 Islamic Univ Islamabad Pakistan, Dept Math & [Singh, Paramjeet; Kumar, Santosh] Thapar Inst	Web of Science
High-order finite volume approximati	Singh, P; Kumar, S; Koksai, M	Engineering Computations	2019	25	0 Engr & Technol, Sch Math, Patiala, Punjab, India; [Nancy; Garg, Harish] Thapar Inst Engr & Technol,	Web of Science
A novel divergence measure and its b	Nancy; Garg, H	Journal Of Intelligent & Fuzzy Sy	2019	25	24 Sch Math, Patiala, Punjab, India [Badoni, Manoj; Singh, Alka] Delhi Technol Univ,	Web of Science
Implementation of Immune Feedback	Badoni, M; Singh, A; Singh, B	IEEE Transactions On Industry A	2019	25	0 Dept Elect Engr, Delhi 110042, India; [Badoni, Rajaram, Akashkumar; Jayakody, Dushantha	Web of Science
Receiver Design to Employ Simultanec	Rajaram, A; Dinis, R; Jayakody	IEEE Access	2019	25	3 Nalin K.] Natl Res Tomsk Polytech Univ, Sch Comp [Saggi, Mandeep Kaur; Jain, Sushma] Thapar Inst	Web of Science
Reference evapotranspiration estimat	Saggi, MK; Jain, S	Computers And Electronics In A	2019	25	18 Engr & Technol, Dept Comp Sci, Patiala, Punjab, [Gupta, Ashima; Singh, Anil; Agarwal, Alpana]	Web of Science
Highly-digital voltage scalable 4-bit fla	Gupta, A; Singh, A; Agarwal, A	IEEE Circuits Devices & Systems	2019	25	1 Thapar Univ, Elect & Commun Engr Dept, Patiala, [Singhal, Ankur; Gupta, Amit] IKG Punjab Tech	Web of Science
Investigation of bandwidth optimizati	Singhal, A; Gupta, A; Singh, C;	Indian Journal Of Pure & Applie	2019	25	0 Univ, Elect & Commun Engr Dept, Jalandhar [Pathak, Yadunath; Arya, K. V.] Atal Bihari	Web of Science
Feature selection for image steganaly	Pathak, Y; Arya, KV; Tiwari, S	Multimedia Tools And Applicati	2019	25	11 Vajpayee Indian Inst Informat Technol, [Jadhav, Tushar] Thapar Inst Engr & Technol,	Web of Science
Volumetric estimation using 3D recon	Jadhav, T; Singh, K; Abhyanka	Multimedia Tools And Applicati	2019	25	4 Dept Elect & Commun Engr, Patiala, Punjab, [Lal, Nidhi] Thapar Univ, Patiala 147004, Punjab,	Web of Science
An Efficient Update Strategy for Conte	Lal, N; Kumar, S; Chaurasiya, 'C	China Communications	2019	25	1 India; [Kumar, Shishupal; Chaurasiya, Vijay [Ram, Shri] Thapar Inst Engr & Technol, Cent Lib,	Web of Science
Carpal tunnel syndrome: A bibliometri	Ram, S	Neurology India	2019	25	0 Patiala 147004, Punjab, India [Sahoo, Rosalin] Banaras Hindu Univ, Indian Inst	Web of Science
Nonpolynomial Zigzag Theories for Ra	Sahoo, R; Grover, N; Singh, B	IEEE Journal	2019	25	0 Technol, Dept Civil Engr, Varanasi 201005, Uttar [Roy, Sandip] Asansol Engr Coll, Dept Comp Sci &	Web of Science
Provably Secure Fine-Grained Data Ac	Roy, S; Das, AK; Chatterjee, S;	IEEE Transactions On Industrial I	2019	25	18 Engr, Asansol 713305, India; [Das, Ashok Kumar] [Singh, Gagangeet] Chandigarh Univ, Dept Comp	Web of Science
SAFE: SDN-Assisted Framework for Ed	Singh, G; Chaudhary, R; Kaur,	IEEE Transactions On Industrial I	2019	25	19 Sci & Engr, Mohali 140413, India; [Chaudhary, Jain, Tarun; Sharma, Hitesh; Singh, Neetu;	Web of Science
Evaluation of the 2,2',2''-Nitrolotriset	Jain, T; Sharma, H; Singh, N;	Journal Of Chemical And Engine	2019	25	2 Kushwaha, Jai Prakash] Thapar Inst Engr & [Al Balasmeh, Odai; Babbar, Richa; Karmaker,	Web of Science
Trend analysis and ARIMA modeling fr	Al Balasmeh, O; Babbar, R; Ka	Arabian Journal Of Geosciences	2019	25	7 Tapas] Thapar Inst Engr & Technol, Dept Civil [Mahla, Sunil Kumar] IK Gujral Punjab Tech Univ	Web of Science
Performance and emission characteris	Mahla, SK; Dhir, A	Environmental Science And Polli	2019	25	5 Campus, Dept Mech Engr, Hoshiarpur, India;	Web of Science

Bacterial based admixed or spray trea	Tripathi, E; Anand, K; Goyal, S	Sadhana-Academy Proceedings	2019	25	[Tripathi, Ekta; Anand, Kamal; Goyal, Shweta]	0 Thapar Inst Engn & Technol, Dept Civil Engn,	Web of Science
Formation, stability and comparison o	Sokhal, KS; Dasaroju, G; Bulas	Vacuum	2019	25	[Sokhal, Kamaljit Singh; Dasaroju, Gangacharyulu]	7 Thapar Inst Engn & Technol, Dept Chem Engn,	Web of Science
MLBC: Multi-objective Load Balancing	Randhawa, S; Jain, S	Applied Soft Computing	2019	25	[Randhawa, Sukhchandan; Jain, Sushma]	5 Univ, Comp Sci & Engn Dept, Patiala, Punjab, India	Web of Science
Transformation of Identity as a Travell	Saxena, S; Sharma, D	Interventions-International Jour	2019	25	[Saxena, S.; Sharma, D.]	1 Humanities & Social Sci, Patiala, Punjab, India	Web of Science
XPG polymorphisms and their associat	Lawania, S; Singh, N; Behera,	Future Oncology	2019	25	[Lawania, Shweta; Sharma, Siddharth]	2 Univ, Dept Biotechnol, Patiala 147002, Punjab,	Web of Science
UAVs assisted queue scheduling in grc	Sharma, V; Kumar, R	International Journal Of Ad Hoc	2019	25	[Sharma, Vishal; Kumar, Rajesh]	4 Comp Sci & Engn Dept, Patiala 147004, Punjab,	Web of Science
Effect of addition of silicone oil on the	Singh, M; Verma, SK; Biswas,	Journal Of Polymer Engineering	2019	25	[Singh, Mansi; Mehta, Rajeev]	5 Technol, Dept Chem Engn, Patiala 147004,	Web of Science
Thermal degradatation kinetics of oxo-d	Mandal, DK; Bhunia, H; Bajpa	Journal Of Polymer Engineering	2019	25	[Mandal, Dev K.; Bhunia, Haripada; Bajpai,	2 Pramod K.]	Web of Science
Effect of MgO on structural, thermal a	Khan, S; Singh, K	Ceramics International	2019	25	[Khan, Savidh; Singh, K.]	7 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Cognitive spammer: A Framework for	Makkar, A; Kumar, N	Future Generation Computer Sy	2019	25	[Makkar, Aaisha; Kumar, Neeraj]	7 & Technol, Comp Sci Engn Dept, Patiala, Punjab,	Web of Science
Load frequency control strategy via fr	Saxena, S	International Journal Of Electric	2019	25	[Saxena, Sahaj]	18 & Instrumentat Engn Dept, Patiala 147004,	Web of Science
New logarithmic operational laws and	Garg, H	International Journal Of Intellige	2019	25	[Garg, Harish]	54 Inst Engn & Technol, Patiala, Punjab, India	Web of Science
An intelligent regressive ensemble ap	Kaur, G; Bala, A; Chana, I	Journal Of Parallel And Distribut	2019	25	[Kaur, Gurleen; Bala, Anju; Chana, Inderveer]	10 Thapar Inst Engn & Technol, Comp Sci & Engn	Web of Science
Enhanced tribological properties of Si	Somani, N; Tyagi, YK; Kumar,	Materials Research Express	2019	25	[Somani, Nalin; Tyagi, Y. K.]	6 Engn, Dehra Dun 248009, India; [Kumar, Parveen]	Web of Science
Novel nano-insulin formulation modul	Kaur, P; Sharma, AK; Nag, D; I	Nanomedicine-Nanotechnology	2019	25	[Kaur, Pawandeep; Goel, Vanshita; Choudhury,	9 Diptiman]	Web of Science
Role of shell and pairing correction in	Virk, NK; Sharma, MK; Kumar,	Nuclear Physics A	2019	25	[Virk, Navjot Kaur; Sharma, Manoj K.; Kumar, Raj]	0 Thapar Inst Engn & Technol, Sch Phys & Mat Sci,	Web of Science
A Perylene diimide based fluorescent	Karmakar, P; Manna, S; Maiti,	Supramolecular Chemistry	2019	25	[Karmakar, Parthasarathi; Manna, Srimanta;	1 Maiti, Kalipada; Ali, Syed Samim; Guria, Uday	Web of Science
Evaluation of gain spectrum of dual/tr	Singh, K; Kaur, P; Devra, S; Kai	Optik	2019	25	[Singh, Karamdeep; Kaur, Palvinder; Devra,	0 Shivinder]	Web of Science

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index (or the university during the year 2019-2020)	Number of citations (Times Cited)	Institutional affiliation as mentioned in the publication
Systematic decay analysis of Po-202*	Kaushal, P; Sharma, MK	International Journal Of Moderr	2020	25	1	[Kaushal, Pooja] Panjab Univ, Dept Phys, Chandigarh 160014, India; [Sharma, Manoj K.] Web of Science
Consumers' Attitudes Toward Functio	Bakshi, A; Chhabra, S; Kaur, R	Current Topics In Nutraceutical I	2020	25	0	[Bakshi, A.; Chhabra, S.; Kaur, R.] Thapar Inst Engn & Technol, Sch Humanities & Social Sci, Patiala Web of Science
Hydrogen augmentation of biogas thr	Sharma, H; Dhir, A	Fuel	2020	25	0	[Sharma, Himanshu; Dhir, Amit] Thapar Inst Engn & Technol, Sch Energy & Environm, Patiala Web of Science
Condition Monitoring of Transformer	Kumar, S; Kumar, L; Islam, T; I	IEEE Transactions On Industrial I	2020	25	0	[Kumar, Shailesh] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala 147001, Web of Science
Fly ash and ground granulated blast fu	Mehta, A; Siddique, R; Ozbaki	Construction And Building Mate	2020	25	0	[Mehta, Ankur] Arkade Consultants, Hisar 125005, Haryana, India; [Siddique, Rafat] Deemed Univ, Web of Science
The role of potential energy surface in	Jaglan, R; Mandal, D	Computational And Theoretical	2020	25	0	[Jaglan, Reena; Mandal, Debasish] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala Web of Science
BloomStore: Dynamic Bloom-Filter-ba	Singh, A; Batra, S; Aujla, GS; K	IEEE Transactions On Industrial I	2020	25	0	[Singh, Amritpal] Natl Inst Technol, Dept Comp Sci & Engn, Jalandhar 144011, Punjab, India; [Batra, Web of Science
A survey on secure communication te	Kakkar, A	Information Fusion	2020	25	0	[Kakkar, Ajay] TIET, Patiala, Punjab, India Web of Science
Deep learning enabled multi-wavelen	Singla, N; Srivastava, V	Optics And Laser Technology	2020	25	0	[Singla, Neeru] Lovely Profess Univ, Sch Bioengn & Biosci, Phagwara, Punjab, India; [Srivastava, Web of Science
Optimization methodology based on r	Garg, A; Kaur, G; Sangal, VK; E	Environmental Engineering Rese	2020	25	0	[Garg, Alok] Natl Inst Technol, Dept Chem Engn, Hamirpur, India; [Kaur, Gaganpreet] Thapar Inst Web of Science
Development of hierarchical magnesit	Rani, N; Chahal, S; Mahadeva	Nanotechnology	2020	25	0	[Rani, Neha; Chahal, Surjeet; Shukla, Rajni; Singh, S. K.] Deenbandhu Chhotu Ram Univ Sci & Web of Science
Deep Learning of Spatiotemporal Filte	Brown, KG; Ghosh, D; Hoyt, K	IEEE Transactions On Ultrasonic	2020	25	0	[Brown, Katherine G.; Hoyt, Kenneth] Univ Texas Dallas, Dept Bioengn, Richardson, TX 75080 USA; Web of Science
Cloud Centric Authentication for Wea	Jangirala, S; Das, AK; Kumar, I	IEEE Transactions On Dependab	2020	25	26	[Jangirala, Srinivas; Das, Ashok Kumar] Int Inst Informat Technol, Ctr Secur Theory & Algorithm Web of Science
Self-attention based bidirectional long	Dubey, K; Agarwal, A; Lathe, /	Laser Physics Letters	2020	25	0	[Dubey, Kavita; Lathe, Astitwa Sarthak; Srivastava, Vishal] Thapar Inst Engn & Technol, Elect & Web of Science
Breast tissue tumor detection using "	S Kaur, G; Kaur, A	International Journal Of Microw	2020	25	1	[Kaur, Gagandeep; Kaur, Amanpreet] Thapar Inst Engn & Technol, Dept Elect & Commun Engn, Web of Science
Real-time event-driven sensor data an	Ray, PP; Dash, D; De, DB	Journal Of Supercomputing	2020	25	0	[Ray, Partha Pratim] Sikkim Univ, Dept Comp Applicat, Gangtok, India; [Dash, Dinesh] Natl Inst Web of Science
Enhanced magnetic frustration in a ne	Marik, S; Singh, D; Gonano, B;	Scripta Materialia	2020	25	0	[Marik, Sourav] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India; Web of Science
Mutually independent feature flow: A	Bawa, VS; Kumar, V	Future Generation Computer Sy	2020	25	0	[Bawa, Vivek Singh] Oxford Brookes Univ, Visual Artificial Intelligence Lab, Oxford, England; Web of Science
Physical properties and microstructur	Kaur, G; Pavia, S	Journal Of Building Engineering	2020	25	0	[Kaur, Gurbir] Thapar Inst Engn & Technol, Dept Civil Engn, Patiala 147004, Punjab, India; [Pavia, Web of Science
Blockchain and AI amalgamation for e	Kumari, A; Gupta, R; Tanwar,	Journal Of Parallel And Distribut	2020	25	0	[Kumari, Aparna; Gupta, Rajesh; Tanwar, Sudeep] Nirma Univ, Inst Technol, Dept Comp Sci & Engn, Web of Science
IEC 61850 based substation automatic	Aftab, MA; Hussain, SMS; Ali,	International Journal Of Electric	2020	25	1	[Aftab, Mohd Asim] Thapar Inst Engn & Technol, Elect & Instrumentat Engn Dept, Patiala 147001, Web of Science

Experimental investigation of heat tra	Sokhal, GS; Dhindsa, GS; Sokh	Journal Of Thermal Analysis And	2020	25	[Sokhal, Gurpreet Singh; Dhindsa, Gurprinder	Web of Science
A methodology for even-power-distrib	Bhatnagar, P; Dewangan, NK; Internati	Transactions On El	2020	25	0 Singh] Chandigarh Univ, Dept Mech Engr, Mohali, [Bhatnagar, Pallavee] IES Coll Technol, Bhopal, India; [Dewangan, Niraj Kumar] GH Rasoni Inst	Web of Science
Algorithms for complex interval-value	Garg, H; Ali, Z; Mahmood, T	Expert Systems	2020	25	[Garg, Harish] Thapar Inst Engr & Technol	Web of Science
Four stage median-average filter for h	Garg, B; Arya, KV	Multimedia Tools And Applicati	2020	25	0 Deemed Univ, Sch Math, Patiala 147004, Punjab, [Garg, Bharat] Thapar Inst Engr & Technol, ECED,	Web of Science
Skin and brain implantable inset-fed a	Singh, G; Kaur, J	Microwave And Optical Technol	2020	25	0 Patiala 147001, Punjab, India; [Arya, K., V] ABV [Singh, Gurprince; Kaur, Jaswinder] Thapar Inst	Web of Science
Bioactive calcium silicate glass synthe	Punj, S; Singh, K	Biofuels Bioproducts & Biorefini	2020	25	0 Engr & Technol, Dept Elect & Commun Engr, [Punj, Shivani; Singh, Kulvir] Thapar Inst Engr &	Web of Science
Hexa-band suppression characteristic	Sohi, AK; Kaur, A	Journal Of Electromagnetic Wav	2020	25	0 Technol, Sch Phys & Mat Sci, Patiala 147004, [Sohi, Arashpreet K.; Kaur, Amanpreet] Thapar	Web of Science
A passive approach for the detection c	Kaur, N; Jindal, N; Singh, K	Multimedia Tools And Applicati	2020	25	0 Inst Engr & Technol, Dept Elect & Commun Engr, [Kaur, Navneet; Jindal, Neeru; Singh, Kulbir]	Web of Science
Spiral-Inspired Spotted Hyena Optimiz	Kumar, V; Kaleka, KK; Kaur, A	Wireless Personal Communicati	2020	25	0 Thapar Inst Engr & Technol, Elect & Commun [Kumar, Vijay] Natl Inst Technol, Comp Sci & Engr	Web of Science
Intercarrier interference analysis for n	Chawla, T; Kansal, A	International Journal Of Commu	2020	25	0 Dept, Hamirpur, Himachal Prades, India; [Kaleka, [Chawla, Tanvi; Kansal, Ankush] Thapar Inst Engr	Web of Science
Impact of information on winners' cur	Chhabra, S; Kiran, R	International Journal Of Finance	2020	25	0 & Technol, Dept Elect & Commun Engr, Patiala, [Chhabra, Sheena; Kiran, Ravi] Thapar Inst Engr &	Web of Science
Chromogenic and fluorogenic "off-on-	Pramanik, S; Manna, SK; Path	New Journal Of Chemistry	2020	25	0 Technol, Sch Humanities & Social Sci, Patiala, [Pramanik, Samit; Mukhopadhyay, Subrata]	Web of Science
Trust-aware energy-efficient stable clt	Mittal, N; Singh, S; Singh, U; S	Wireless Networks	2020	25	0 Jadavpur Univ, Dept Chem, Kolkata 700032, India; [Mittal, Nitin; Singh, Simrandeep] Chandigarh	Web of Science
Factors influencing dividend decisions	Sharma, RK	International Journal Of Finance	2020	25	0 Univ, Dept Elect & Commun Engr, Mohali 140413, [Sharma, Rakesh Kumar] Thapar Inst Engr &	Web of Science
A novel approach for detecting round	Singh, R; Rana, PS; Jindal, N	Multimedia Tools And Applicati	2020	25	0 Technol, Sch Humanities & Social Sci, Patiala, [Singh, Rakesh; Rana, Prashant Singh] Thapar Inst	Web of Science
An Effective Approach for Noise Robu	Singh, C; Aggarwal, A	Applied Artificial Intelligence	2020	25	0 Engr & Technol, Dept Comp Sci, Patiala, Punjab, [Singh, Chandan; Aggarwal, Ashutosh] Punjabi	Web of Science
SecRIP: Secure and reliable intercluste	Bhardwaj, V; Kaur, N; Vashish	Transactions On Emerging Telec	2020	25	0 Univ, Dept Comp Sci, Patiala 147002, Punjab, [Bhardwaj, Vinay; Kaur, Navdeep] Sri Guru Granth	Web of Science
Parametric optimization and MCR-ALS	Kaur, P; Imteaz, MA; Sillanpa	Chemometrics And Intelligent L	2020	25	0 Sahib World Univ, Fatehgarh Sahib, Punjab, India; [Kaur, Parminder] LUT Univ, Dept Separat Sci,	Web of Science
Synthesis of mesoporous magnetic Fe	Singh, J; Basu, S	Microporous And Mesoporous P	2020	25	0 Lappeenranta, Finland; [Imteaz, Monzur A.] [Singh, Jasminder; Basu, Soumen] Thapar Inst	Web of Science
Energy-Efficient Gaussian Filter Desigr	Garg, B	National Academy Science Lette	2020	25	1 Engr & Technol Deemed Be Univ, Sch Chem & [Garg, Bharat] Thapar Inst Engr & Technol,	Web of Science
Monostatic radar-based microwave in	Kaur, G; Kaur, A	Microwave And Optical Technol	2020	25	0 Patiala, Punjab, India [Kaur, Gagandeep; Kaur, Amanpreet] Thapar Inst	Web of Science
ROS-induced cytotoxicity of colloidal c	Sharma, P; Goyal, D; Baranwa	Journal Of Nanoparticle Researc	2020	25	0 Engr & Technol, Dept Elect & Commun Engr, [Sharma, Purnima; Goyal, Dinesh; Baranwal,	Web of Science
Spatial Patterns of Selenium and Profi	Tiwana, AS; Baby; Bandana; V	Geomicrobiology Journal	2020	25	0 Manoj] Thapar Inst Engr & Technol, Dept [Tiwana, Anupreet Singh] Mata Gujri Coll	Web of Science
					0 Autonomous, Dept Geog, Fatehgarh Sahib, India;	Web of Science

Impact of demographic factors on the	Harpriya; Sharma, RK; Sah, A	International Journal Of Finance	2020	25	[Harpriya; Sharma, Rakesh Kumar; Sah, Ash Narayan] Thapar Inst Engr & Technol, Sch	Web of Science
Data dimensionality reduction technic	Chhikara, P; Jain, N; Tekchanc	Software-Practice & Experience	2020	25	[Chhikara, Prateek; Jain, Nikhil; Kumar, Neeraj]	Web of Science
Low temperature coefficient and low	Thakur, A; Pandey, R; Rai, SK	International Journal Of Circuit	2020	25	[Thakur, Arvind; Pandey, Rishikesh; Rai, Shireesh Kumar] Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Cuckoo inspired stacking ensemble fr	Singh, A; Kaur, M	Transactions On Emerging Telec	2020	25	[Singh, Amanpreet; Kaur, Maninder] Thapar Inst	Web of Science
A shock like no other: coronavirus ratt	Rajput, H; Changotra, R; Rajpi	Environment Development And	2020	25	[Rajput, Himadri; Changotra, Rahil] Thapar Inst	Web of Science
A classification and systematic review	Bhushan, M; Negi, A; Samant,	Software Quality Journal	2020	25	[Bhushan, Megha] DIT Univ, Sch Comp, Dehra Dun, Uttarakhand, India; [Negi, Arun] Deloitte	Web of Science
Development of an adaptive neuro fu	Singh, D; Upadhyay, R; Pannu	Journal Of Ambient Intelligence	2020	25	[Singh, Daljeet; Leray, Dimitri] Thapar Inst Engr &	Web of Science
Real-time cheating immune secret sha	Shivani, S; Patel, SC; Arora, V;	Journal Of Real-Time Image Proc	2020	25	[Shivani, Shivendra; Arora, Vinay] Thapar Inst	Web of Science
A Review of Segmentation Algorithms	Kriti; Virmani, J; Agarwal, R	Archives Of Computational Metl	2020	25	[Kriti; Agarwal, Ravinder] Thapar Inst Engr &	Web of Science
Online handwriting recognition system	Singh, H; Sharma, RK; Singh, \	Artificial Intelligence Review	2020	25	[Singh, Harjeet] Chitkara Univ, Chitkara Univ Inst	Web of Science
Current perspective of COVID-19 spre	Arora, AS; Rajput, H; Changot	Environment Development And	2020	25	[Arora, Amarpreet Singh] Yeungnam Univ, Sch	Web of Science
Deciphering the excited state intramo	Kumar, G; Paul, K; Luxami, V	New Journal Of Chemistry	2020	25	[Kumar, Gulshan; Paul, Kamaldeep; Luxami, Vijay]	Web of Science
Influence of Chemical Composition an	Kasana, SS; Pandey, OP	Transactions Of The Indian Instit	2020	25	[Kasana, Shivraj Singh; Pandey, O. P.] Thapar Inst	Web of Science
Local Statistics-based Speckle Reducin	Singh, K; Sharma, B; Singh, J;	Mobile Networks & Applications	2020	25	[Singh, Karamjeet; Aggarwal, Ashutosh] Thapar	Web of Science
Biochar augmentation improves ecto	Verma, B; Reddy, MS	Soil Research	2020	25	[Verma, Balwant; Reddy, M. Sudhakar] Thapar	Web of Science
Influence of financial literacy on retail	Prasad, S; Kiran, R; Sharma, R	International Journal Of Finance	2020	25	[Prasad, Swati; Kiran, Ravi; Sharma, Rakesh Kumar] Thapar Inst Engr & Technol Deemed Univ,	Web of Science
On effect of chemical-assisted mechar	Sharma, R; Singh, R; Batish, A	Journal Of Thermoplastic Compr	2020	25	[Sharma, Ravinder; Batish, Ajay] Thapar Inst Engr	Web of Science
PSO Optimized Geocast Routing in VAI	Husain, A; Singh, SP; Sharma,	Wireless Personal Communicati	2020	25	[Husain, Akhtar] MJP Rohilkhand Univ, Fac Engr	Web of Science
The Number of Confirmed Cases of Co	Ahmad, A; Garhwal, S; Ray, S	Archives Of Computational Metl	2020	25	[Ahmad, Amir] United Arab Emirates Univ, Coll	Web of Science
Detection of Low-Frequency and Mult	Li, XH; Xu, MF; Vijayakumar, F	IEEE Transactions On Vehicular	2020	25	[Li, Xinghua; Xu, Mengfan] Xidian Univ, Sch Cyber	Web of Science
PARC: Placement Availability Resilient	Chaudhary, R; Kumar, N	IEEE Transactions On Vehicular	2020	25	[Chaudhary, Rajat; Kumar, Neeraj] Thapar Inst	Web of Science
Hierarchically aligned nano silver/chit	Dhiman, NK; Agnihotri, S	Environmental Science-Nano	2020	25	[Dhiman, Navneet Kaur; Agnihotri, Shekhar]	Web of Science
Crisscross differential evolution algori	Kaur, M; Dhillon, JS; Kothari, I	Applied Soft Computing	2020	25	[Kaur, Manbir] Thapar Inst Engr & Technol, Elect	Web of Science

Optimal generation scheduling of pur	Patwal, RS; Narang, N	Applied Soft Computing	2020	25	[Patwal, Rituraj Singh; Narang, Nitin] Thapar Inst 0 Engn & Technol, Dept Elect & Instrumentat Engn, [Singla, Shivani; Priya, Ruby; Kaur, Sandeep;	Web of Science
Blue light excited novel Eu doped CaG	Singla, S; Priya, R; Kaur, S; Par	Optik	2020	25	0 Pandey, O. P.] Thapar Inst Engn & Technol, Funct [Waliv, Rahul Hanmant] Kisan Veer Mahavidyalay,	Web of Science
A Nonlinear Programming Approach to	Waliv, RH; Mishra, U; Garg, H	Arabian Journal For Science And	2020	25	1 Wai, Maharashtra, India; [Mishra, Umakanta] [Sable, Sunil; Ahuja, Sanjeev; Bhunia, Haripada]	Web of Science
Studies on Biodegradability of Cobalt	Sable, S; Ahuja, S; Bhunia, H	Journal Of Polymers And The En	2020	25	1 Deemed Be Univ, Thapar Inst Engn & Technol, [Changotra, Rahil; Rajput, Himadri; Dhir, Amit]	Web of Science
Comparative Study of Air Pollution Mo	Changotra, R; Rajput, H; Dhir,	Environmental Modeling & Asse	2020	25	0 Thapar Inst Engn & Technol, Sch Energy & [Sable, Sunil; Ahuja, Sanjeev; Bhunia, Haripada]	Web of Science
Biodegradation kinetic modeling of ac	Sable, S; Ahuja, S; Bhunia, H	Iranian Polymer Journal	2020	25	0 Thapar Inst Engn & Technol Deemed Be Univ, [Bhardwaj, Sakshi; Sharma, Diksha; Kumari, Pooja;	Web of Science
Influence of photodeposition time and	Bhardwaj, S; Sharma, D; Kum	Optical Materials	2020	25	0 Pal, Bonamali] Thapar Inst Engn & Technol, Sch [Patwal, Rituraj Singh; Narang, Nitin] Thapar Inst	Web of Science
Multi-objective generation scheduling	Patwal, RS; Narang, N	Renewable Energy	2020	25	0 Engn & Technol, Dept Elect & Instrumentat Engn, [Singh, Jaskaran] Thapar Inst Engn & Technol,	Web of Science
Bearing remaining useful life estimatio	Singh, J; Darpe, AK; Singh, SP	Measurement Science And Tech	2020	25	0 Dept Mech Engn, Patiala 147004, Punjab, India; [Garg, Neenu; Bawa, Seema; Kumar, Neeraj]	Web of Science
An efficient data integrity auditing pro	Garg, N; Bawa, S; Kumar, N	Future Generation Computer Sy	2020	25	0 Thapar Inst Engn & Technol, Dept Comp Sci & [Jain, Apoorv; Singh, Gurmeet; Jain, Vivek; Gupta,	Web of Science
Feasibility analysis for machining ser	Jain, A; Singh, G; Jain, V; Gupt	Measurement	2020	25	0 Dheeraj] Thapar Inst Engn & Technol Deemed [Kaur, Sawinder; Kumar, Parteek] Thapar Inst	Web of Science
Detecting clickbaits using two-phase h	Kaur, S; Kumar, P; Kumaragur	Expert Systems With Applicatio	2020	25	0 Engn & Technol, Patiala, Punjab, India; [Sharma, Teena; Rajor, Anita] Thapar Inst Engn &	Web of Science
Sequential microbial-photocatalytic de	Sharma, T; Kaur, M; Sobti, A; I	Environmental Engineering Rese	2020	25	0 Technol, Sch Energy & Environm, Patiala 147004, [Agarwal, Mayank] Thapar Inst Engn & Technol,	Web of Science
An approach for circuit modeling of a	Agarwal, M; Meshram, MK	Microwave And Optical Technol	2020	25	0 Dept Elect & Commun Engn, Patiala 147004, [Tanwar, Sudeep; Kaneriya, Shriya] Nirma Univ,	Web of Science
ElectroBlocks: A blockchain-based ene	Tanwar, S; Kaneriya, S; Kumar	International Journal Of Commu	2020	25	0 Inst Technol, Dept Comp Sci & Engn, Ahmadabad, [Singh, Manpreet; Singh, Anant Kumar] Thapar	Web of Science
Magnetorheological finishing of copp	Singh, M; Singh, AK	Proceedings Of The Institution C	2020	25	0 Inst Engn & Technol, Dept Mech Engn, Patiala [Arora, Kunal; Singh, Anant Kumar] Thapar Inst	Web of Science
Magnetorheological finishing of UHM	Arora, K; Singh, AK	Materials And Manufacturing Pr	2020	25	0 Engn & Technol, Dept Mech Engn, Patiala 147004, [Prasad, Swati; Kiran, Ravi; Sharma, Rakesh	Web of Science
Examining saving habits and discrimin	Prasad, S; Kiran, R; Sharma, R	International Journal Of Finance	2020	25	0 Kumar] Deemed Univ, Thapar Inst Engn & [Sharma, Gaurav; Rana, Prashant Singh; Bawa,	Web of Science
Kinematic Viscosity Prediction of Nanc	Sharma, G; Kotia, A; Ghosh, SI	International Journal Of Preciso	2020	25	0 Seema] Thapar Inst Engn & Technol, Comp Sci & [Wang, Lei; Li, Na] Liaoning Tech Univ, Dept Basic	Web of Science
Pythagorean fuzzy interactive Hamach	Wang, L; Garg, H; Li, N	Soft Computing	2020	25	0 Teaching, Huludao 125105, Peoples R China; [Kaur, Mandeeep; Narang, Nitin] Thapar Inst Engn	Web of Science
Non-interactive approach to solve mu	Kaur, M; Narang, N	Electrical Engineering	2020	25	0 & Technol, Dept Elect & Instrumentat Engn, [Sharma, Akanksha; Jindal, Neeru] Thapar Inst	Web of Science
Potential of generative adversarial ne	Sharma, A; Jindal, N; Rana, PS	Multimedia Tools And Applicati	2020	25	0 Engn & Technol, Dept Elect & Commun Engn, [Kriti; Agarwal, Ravinder] Thapar Inst Engn &	Web of Science
Deep feature extraction and classifica	Kriti; Virmani, J; Agarwal, R	Multimedia Tools And Applicati	2020	25	0 Technol, Patiala 147004, Punjab, India; [Virmani,	Web of Science

Strategic corporate social responsibility	Rameshwar, R; Saha, R; Sanyal, R	Corporate Social Responsibility / Journal Of Business Ethics	2020	25	[Rameshwar, Rudra] Deemed To Be Univ, LM Thapar Sch Management, Thapar Inst Engrg & Technol, Patiala	Web of Science
In-vitro bioactivity of silicate-phosphates	Kaur, D; Reddy, MS; Pandey, I	Journal Of Materials Science-Materials	2020	25	[Kaur, Damandeep; Pandey, O. P.] Thapar Inst Engrg & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Restructuring Object-Oriented Software	Prajapati, A; Parashar, A; Chhabra, A	Arabian Journal For Science And Technology	2020	25	[Prajapati, Amarjeet] IIIT Noida, Comp Engrg & IT, Noida, India; [Parashar, Anshu] TIET Patiala, Comp Engrg & Technol, Patiala	Web of Science
Leveraging energy-efficient load balancing	Singh, SP; Kumar, R; Sharma, R	Concurrency And Computation-Theory And Practice	2020	25	[Singh, Simar Preet; Kumar, Rajesh] Thapar Inst Engrg & Technol, Comp Sci & Engrg Dept, Patiala	Web of Science
Design and performance analysis of L-shaped	Gupta, A; Kansal, A; Chawla, P	International Journal Of Electromechanics	2020	25	[Gupta, Anupma; Kansal, Ankush] Thapar Univ Engrg & Technol, Elect & Commun Engrg Dept, Patiala	Web of Science
Influence of cationic doping at different sites	Jana, R; Gupta, A; Choudhary, S	Journal Of Sol-Gel Science And Technology	2020	25	[Jana, Runia] Mt Carmel Coll Autonomous, Dept Nanosci & Technol, Bengaluru 560012, India; [Gupta, Anupma; Choudhary, S] Thapar Univ Engrg & Technol, Patiala	Web of Science
The protein-surfactant stoichiometry	Kaur, J; Giri, A; Bhattacharya, S	European Biophysics Journal With Reviews	2020	25	[Kaur, Jaspreet; Giri, Anjali; Bhattacharya, Mily] Thapar Inst Engrg & Technol, Sch Chem & Technol, Patiala	Web of Science
Blockchain for precision irrigation: Opportunities	Bodkhe, U; Tanwar, S; Bhatta, S	Transactions On Emerging Telecommunications Technologies	2020	25	[Bodkhe, Umesh; Tanwar, Sudeep; Bhatta, S] Thapar Univ, Inst Technol, Dept CSE, Patiala	Web of Science
Decision-making model under complex conditions	Akram, M; Bashir, A; Garg, H	Computational & Applied Mathematics	2020	25	[Akram, Muhammad; Bashir, Ayesha] Univ Punjab, Dept Math, New Campus, Lahore 54590, Pakistan	Web of Science
A Sanskrit-to-English machine translation	Sitender; Bawa, S	Neural Computing & Applications	2020	25	[Sitender; Bawa, Seema] Thapar Inst Engrg & Technol, Comp Sci & Engrg, Patiala, Punjab, India; [Sharma, Ankit] Chitkara Univ, Chitkara Coll Appl Sci & Technol, Patiala	Web of Science
Effect of Pre and Post Tempering on Hydrogen	Sharma, A; Jain, V; Gupta, D	Silicon	2020	25	[Sharma, Ankit] Chitkara Univ, Chitkara Coll Appl Sci & Technol, Patiala, Punjab, India; [Jain, Vivek; Gupta, Sahil] Thapar Inst Engrg & Technol, Comp Sci & Engrg Dept, Patiala, Punjab, India	Web of Science
Voxel-based 3D occlusion-invariant face	Sharma, S; Kumar, V	Multimedia Tools And Applications	2020	25	[Sharma, Sachin] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India; [Kumar, Sachin] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
Rheological study of the developed microfluidic	Singh, S; Sankar, MR	Machining Science And Technology	2020	25	[Singh, S] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India; [Sankar, MR] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala 147004, Punjab, India	Web of Science
A review on recent progress in rare earth	Priya, R; Kaur, S; Sharma, U; Pandey, I	Journal Of Materials Science-Materials	2020	25	[Priya, Ruby; Kaur, Sandeep; Sharma, Utkarsh; Pandey, O. P.] Thapar Inst Engrg & Technol, Sch Engrg & Technol, Patiala	Web of Science
Superior co-catalytic activity of Pd/corrugated	Bathla, A; Pal, B	Solar Energy	2020	25	[Bathla, Aadil; Pal, Bonamali] Thapar Inst Engrg & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Source apportionment of PM10 by positive matrix	Saggu, GS; Mittal, SK	Journal Of Environmental Management	2020	25	[Saggu, Gurpreet Singh] Thapar Inst Engrg & Technol, Dept Chem Engrg & Technol, Patiala, Punjab, India	Web of Science
Integrated data envelopment analysis	Puri, J; Verma, M	Data Technologies And Applications	2020	25	[Puri, Jolly; Verma, Meenu] Thapar Inst Engrg & Technol, Sch Math, Patiala, Punjab, India	Web of Science
A stilbazolium dye-based chromogenic	Dhiman, S; Kumar, G; Luxami, S	New Journal Of Chemistry	2020	25	[Dhiman, Sukhvinder; Singh, Prabhpreet; Kumar, Subodh] Guru Nanak Dev Univ, Ctr Adv Studies, Patiala	Web of Science
Influence of microwave heating on microfluidic	Mago, J; Bansal, S; Gupta, D; Jindal, S	Proceedings Of The Institution Of Mechanical Engineers Part C: J. Applied Mechanics	2020	25	[Mago, Jonty; Bansal, Sandeep; Gupta, Dheeraj; Jindal, S] Thapar Inst Engrg & Technol, Mech Engrg, Patiala	Web of Science
Effect of Drilling Techniques on Microfluidic	Singh, RP; Gupta, V; Pandey, I	Annals Of Biomedical Engineering	2020	25	[Singh, Ravinder Pal; Pandey, Pulak Mohan] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala	Web of Science
Elimination of Fipronil insecticide by a	Mehta, T; Rathi, A; Verma, A	International Journal Of Environmental Research And Public Health	2020	25	[Mehta, Tanishka; Rathi, Aanchal] Thapar Inst Engrg & Technol, Sch Chem & Biochem, Patiala	Web of Science
Approximation by v-Baskakov-Durrmeyer	Kajla, A; Mohiuddine, SA; Alomari, A	Iranian Journal Of Science And Technology	2020	25	[Kajla, Arun] Cent Univ Haryana, Sch Basic Sci, Jant 123031, Haryana, India; [Mohiuddine, Syed] Thapar Inst Engrg & Technol, Patiala	Web of Science
Properties and microstructure of concentrated	Yue, L; Yan, ZJ; Chow, CWK; Kuo, C	Journal Of Cleaner Production	2020	25	[Yue Liu; Yan Zhuge; Chow, Christopher W. K.; Li, Danda; Phuong Ngoc Pham; Huang, Jianyin] Univ	Web of Science

Utilization of treated saw dust in conc	Siddique, R; Singh, M; Mehta,	Journal Of Cleaner Production	2020	25	[Siddique, Rafat; Mehta, Sourav] Thapar Inst Engrg & Technol, Dept Civil Engrg, Patiala 147004,	Web of Science
The wavelet transform-domain adapti	Raghuwanshi, J; Mishra, A; Si	Multimedia Tools And Applicati	2020	25	[Raghuwanshi, Jitendra; Singh, Narendra] Jaypee Univ Engrg & Technol, Dept Elect & Commun Engrg,	Web of Science
The effect of radiation curing on mecl	Kumar, M; Saini, JS; Bhunia, H	Polymer Composites	2020	25	[Kumar, Mohit; Saini, Jaswinder Singh] Thapar Inst Engrg & Technol, Mech Engrg Dept, Patiala 147004,	Web of Science
Spectroscopy and molecular docking	Singh, I; Luxami, V; Paul, K	Spectrochimica Acta Part A-Mol	2020	25	[Singh, Iqbal; Luxami, Vijay; Paul, Kamaldeep] Thapar Inst Engrg & Technol, Sch Chem & Technol,	Web of Science
Analytical Model for Drain Current of	Chatterjee, AK; Kushwaha, M	Silicon	2020	25	[Chatterjee, Arun Kumar; Kushwaha, Madhu] Thapar Inst Engrg & Technol, Elect & Commun Engrg,	Web of Science
A size-dependent micropolar-piezoele	Goyal, R; Kumar, S; Sharma, V	Waves In Random And Complex	2020	25	[Goyal, Richa; Kumar, Satish] Thapar Inst Engrg & Technol, Sch Math, Patiala, Punjab, India;	Web of Science
An ultra wideband "OM" shapedDRA	Yadav, SK; Kaur, A; Khanna, R	International Journal Of Rf And I	2020	25	[Yadav, Sachin Kumar; Kaur, Amanpreet; Khanna, Rajesh] Thapar Inst Engrg & Technol, Dept Elect & Commun Engrg,	Web of Science
GUARDIAN: Blockchain-Based Secure	Jindal, A; Aujla, GS; Kumar, N;	IEEE Transactions On Services Cr	2020	25	[Jindal, Anish] Univ Lancaster, Sch Comp & Commun, Lancaster LA1 4WA, England; [Aujla, Sahani, Jagdeep Kaur; Singh, Anil; Agarwal,	Web of Science
A Wide Frequency Range Low Jitter In	Sahani, JK; Singh, A; Agarwal,	Journal Of Circuits Systems And	2020	25	[Sahani, Jagdeep Kaur; Singh, Anil; Agarwal, Alpna] Thapar Inst Engrg & Technol, ECED,	Web of Science
Application of hybrid nature-inspired	Babbar, A; Prakash, C; Singh,	Journal Of Materials Research A	2020	25	[Babbar, Atul] Thapar Inst Engrg & Technol, Dept Mech Engrg, Patiala, Punjab, India; [Prakash, Al Balasmeh, Odai; Babbar, Richa; Karmaker,	Web of Science
A hybrid drought index for drought as	Al Balasmeh, O; Babbar, R; Ka	Journal Of Hydroinformatics	2020	25	[Al Balasmeh, Odai; Babbar, Richa; Karmaker, Tapas] Thapar Inst Engrg & Technol, Dept Civil Engrg,	Web of Science
Hall effect instruments, evolution, im	Goel, N; Babuta, A; Kumar, A;	Review Of Scientific Instruments	2020	25	[Goel, Naman; Babuta, Aniket; Kumar, Abhimanyu; Ganguli, Souvik] Thapar Inst Engrg & Technol,	Web of Science
Mutational Frequencies of SARS-CoV-	Kaushal, N; Gupta, Y; Goyal, N	Pathogens	2020	25	[Kaushal, Neha; Gupta, Yogita; Goyal, Mehendi; Baranwal, Manoj] Thapar Inst Engrg & Technol,	Web of Science
High-speed and area-efficient scalable	Tyagi, P; Pandey, R	Int Circuits Devices & Systems	2020	25	[Tyagi, Piyush; Pandey, Rishikesh] Thapar Inst Engrg & Technol, Dept Elect & Commun Engrg,	Web of Science
Blockchain Technology Toward Green	Sharma, PK; Kumar, N; Park, J	IEEE Network	2020	25	[Sharma, Pradip Kumar] Dongguk Univ, Dept Multimedia Engrg, Seoul, South Korea; [Kumar, Aujla, Gagangeet Singh] Chandigarh Univ, Comp	Web of Science
AdaptFlow: Adaptive Flow Forwarding	Aujla, GS; Singh, A; Kumar, N	IEEE Internet Of Things Journal	2020	25	[Aujla, Gagangeet Singh] Chandigarh Univ, Comp Sci & Engrg Dept, Patiala 140413, Punjab, India;	Web of Science
Lightweight Mutual Authentication Pr	Bansal, G; Naren, N; Chamola	IEEE Transactions On Vehicular	2020	25	[Bansal, Gaurang; Naren, Naren; Chamola, Vinay] BITS Pilani, Dept Elect & Elect Engrg, Pilani 333031,	Web of Science
An Energy-Efficient Resource Allocati	Budhiraja, I; Kumar, N; Tyagi,	IEEE Transactions On Vehicular	2020	25	[Budhiraja, Ishan; Kumar, Neeraj] Deemed Be Univ, Thapar Inst Engrg & Technol, Dept Comp Sci	Web of Science
Construction of benchmark retinal im	Kaur, J; Mittal, D	Proceedings Of The Institution C	2020	25	[Kaur, Jaskirat] Chandigarh Grp Coll CGC, Dept Res & Dev, Mohali 140307, Punjab, India; [Mittal, Saxena, Neetesh] Cardiff Univ, Cardiff, S Glam,	Web of Science
PharmaCrypt: Blockchain for Critical P	Saxena, N; Thomas, I; Gope, F	Computer	2020	25	[Saxena, Neetesh] Cardiff Univ, Cardiff, S Glam, Wales; [Thomas, Ieuan] Bournemouth Univ,	Web of Science
S-3 A: Smart Station Search Assistance	Goel, S; Kumar, R; Kumar, A;	IEEE Consumer Electronics Mag	2020	25	[Goel, Shubham; Kumar, Ravinder; Kumar, Ashwani] Thapar Inst Engrg & Technol, Patiala,	Web of Science
A robust correlation coefficient for pr	Garg, H; Kaur, G	Neural Computing & Applicati	2020	25	[Garg, Harish; Kaur, Gagandeep] Deemed Univ, Thapar Inst Engrg & Technol, Sch Math, Patiala	Web of Science
SAPDA: Secure Authentication with Pr	Goyal, N; Dave, M; Verma, AK	Wireless Personal Communicati	2020	25	[Goyal, Nitin] Chitkara Univ, Chitkara Univ Inst Engrg & Technol, Rajpura, Punjab, India; [Dave,	Web of Science

Performance Analysis of Cooperative I	Sood, VV; Bindra, KV; Khanna	Wireless Personal Communicati	2020	25	[Sood, Varsha Vimal; Bindra, Kavita Vij; Khanna, 0 Rajesh; Sharma, Surbhi] ECED, TIET, Patiala,	Web of Science
Continuous angular position estimatio	Gupta, R; Dhindsa, IS; Agarwa	Biomedical Signal Processing An	2020	25	[Gupta, Rohit; Agarwal, Ravinder] TIET, Elect &	Web of Science
Application of hybrid GLCT-PICA de-nc	Jindal, K; Upadhyay, R; Singh,	Biomedical Signal Processing An	2020	25	[Jindal, K.; Upadhyay, R.; Singh, H. S.] Thapar Inst	Web of Science
Binary spotted hyena optimizer and it	Kumar, V; Kaur, A	Journal Of Ambient Intelligence	2020	25	[Kumar, Vijay; Kaur, Avneet] Thapar Inst Engn &	Web of Science
Neutrality operations-based Pythagor	Garg, H	Journal Of Ambient Intelligence	2020	25	[Garg, Harish] Thapar Inst Engn & Technol, Sch	Web of Science
Doping engineering to enhance the pe	Narula, V; Agarwal, M	Semiconductor Science And Tec	2020	25	[Narula, Vishal; Agarwal, Mohit] Thapar Inst Engn	Web of Science
Novel neutrality aggregation operator	Garg, H	Soft Computing	2020	25	[Garg, Harish] Thapar Inst Engn & Technol, Sch	Web of Science
An integrated optimization technique	Kaur, M; Narang, N	Soft Computing	2020	25	[Kaur, Mandeep; Narang, Nitin] Thapar Inst Engn	Web of Science
Reduced order model based FOPID co	Lamba, R; Sondhi, S; Singla, SI	Progress In Nuclear Energy	2020	25	[Lamba, Ruchika; Sondhi, Swati; Singla, Sunil K.]	Web of Science
Wear studies of hybrid AMCs reinforc	Gupta, R; Sharma, S; Nanda, T	Ceramics International	2020	25	[Gupta, Rahul; Sharma, Sandeep; Nanda, Tarun]	Web of Science
Intelligent content-based cybercrime	Singh, A; Kaur, M	Journal Of Supercomputing	2020	25	[Singh, Amanpreet; Kaur, Maninder] Thapar Inst	Web of Science
Hiding clinical information in medical	Bhardwaj, R; Aggarwal, A	Multidimensional Systems And	2020	25	[Bhardwaj, Rupali; Aggarwal, Ashutosh] Thapar	Web of Science
Writer identification system for pre-se	Dargan, S; Kumar, M; Garg, A;	Soft Computing	2020	25	[Dargan, Shaveta; Kumar, Munish] Maharaja	Web of Science
A Systematic Literature Review on Cor	Mor, B; Garhwal, S; Kumar, A	Archives Of Computational Metl	2020	25	[Mor, Bhavya; Garhwal, Sunita; Kumar, Ajay]	Web of Science
A computational study on air entrapm	Kumar, R; Shukla, RK; Kumar,	International Journal Of Therma	2020	25	[Kumar, Rajesh] Natl Inst Technol Kurukshetra,	Web of Science
Sustainable manufacturing. Bibliomet	Bhatt, Y; Ghuman, K; Dhir, A	Journal Of Cleaner Production	2020	25	[Bhatt, Yogesh; Ghuman, Karminder] Thapar Inst	Web of Science
Orientation-based Ant colony algorithm	Arora, V; Singh, M; Bhatia, R	Information And Software Techn	2020	25	[Arora, Vinay; Singh, Maninder] Thapar Inst Engn	Web of Science
A complementary Sierpinski gasket fra	Sohi, AK; Kaur, A	Microwave And Optical Technol	2020	25	[Sohi, Arashpreet K.; Kaur, Amanpreet] Thapar	Web of Science
An efficient deep learning-based sche	Makkar, A; Kumar, N	Future Generation Computer Sy	2020	25	[Makkar, Aaisha] Chandigarh Univ, Comp Sci Engn	Web of Science
A unified framework for big data acqu	Jindal, A; Kumar, N; Singh, M	Future Generation Computer Sy	2020	25	[Jindal, Anish; Kumar, Neeraj] Thapar Inst Engn &	Web of Science
Internet of energy-based demand res	Jindal, A; Kumar, N; Singh, M	Future Generation Computer Sy	2020	25	[Kumar, Neeraj] Thapar Inst Engn & Technol, Dept	Web of Science
Design and analysis of authenticated	Challa, S; Das, AK; Gope, P; K	Future Generation Computer Sy	2020	25	[Challa, Sravani; Das, Ashok Kumar] Int Inst	Web of Science
An innovative two-stage data compre	Vohra, H; Singh, A; Gill, SS	Integration-The Vlsi Journal	2020	25	[Vohra, Harpreet] Thapar Inst Engn & Technol,	Web of Science

Erosion tribo-performance of HVOF de	Singh, J; Kumar, S; Mohapatra	Tribology International	2020	25	[Singh, Jashanpreet; Kumar, Satish; Mohapatra, S. 7 K.] Thapar Inst Engr & Technol, Mech Engr Dept, [Marik, Sourav; Veillon, Fabien; Pelloquin, Denis; 0 Breard, Yohann] Normandie Univ, ENSICAEN, Web of Science
Long range magnetic ordering and ma	Marik, S; Singh, D; Gonano, B;	Scripta Materialia	2020	25	[Hussain, S. M. Suhail; Ustun, Taha Selim] AIST Web of Science
IEC 61850 based energy management	Hussain, SMS; Aftab, MA; Ali,	International Journal Of Electric	2020	25	1 FREA, Fukushima Renewable Energy Inst, Web of Science
How Does the Mono-Triazole Derivat	Kaur, A; Kaur, A; Goyal, D; Go	Acs Omega	2020	25	0 Deepti] Sri Guru Granth Sahib World Univ, Fac Web of Science
Assessment and prediction of surface	Rana, M; Mittal, SK; Beig, G	Environment Development And	2020	25	0 Sch Chem & Biochem, Patiala 147004, Punjab, Web of Science
Possibility mean, variance and standa	Garai, T; Dalapati, S; Garg, H;	Soft Computing	2020	25	0 Purba Bardhaman 713424, W Bengal, India; Web of Science
A 2.3 mW Multi-Frequency Clock Gene	Sahani, JK; Singh, A; Agarwal,	Journal Of Circuits Systems And	2020	25	0 Alpana] Thapar Inst Engr & Technol, ECED, Web of Science
Synthesis, Characterization and Bioact	Bansal, N; Arora, A; Danewali	Silicon	2020	25	0 Inst Engr & Technol, Sch Phys & Mat Sci, Patiala Web of Science
Durability characteristics of self-comp	Gupta, N; Siddique, R	Construction And Building Mate	2020	25	0 & Technol Deemed Univ, Dept Civil Engr, Patiala, Web of Science
Optimization of Fractional Order Cont	Bhullar, AK; Kaur, R; Sondhi,	State Journal Of Research	2020	25	0 Dept Elect & Commun Engr, Patiala, Punjab, Web of Science
Photocatalytic degradation of monocr	Sraw, A; Kaur, T; Pandey, Y; V	International Journal Of Environ	2020	25	0 Energy Res Ctr, Chandigarh 160014, India; Web of Science
Carbon Dot-MnO2 Nanosphere Comp	Sohal, N; Maity, B; Basu, S	Acs Applied Nano Materials	2020	25	0 Thapar Inst Engr & Technol, Sch Chem & Web of Science
Cylindrical air spaced high gain dielect	Yadav, SK; Kaur, A; Khanna, R	Sadhana-Academy Proceedings	2020	25	0 Rajesh] Thapar Inst Engr & Technol, Elect & Web of Science
Modelling of flexural response of sim	Sharma, M; Kwatra, N; Singh,	Current Science	2020	25	0 Engr & Technol, Dept Civil Engr, Patiala 147001, Web of Science
Novel Memristor Emulators using Full	Yadav, N; Rai, SK; Pandey, R	Iranian Journal Of Science And T	2020	25	0 Rishikesh] Thapar Inst Engr & Technol, Dept Elect Web of Science
Preliminary investigations of rotary ul	Babbar, A; Jain, V; Gupta, D	Grey Systems-Theory And Applic	2020	25	0 Inst Engr & Technol, Patiala, Punjab, India Web of Science
Investigation on the combined effects	Sharma, H; Sandha, KS	Analog Integrated Circuits And S	2020	25	0 Thapar Inst Engr & Technol, Dept ECE, Patiala Web of Science
Reconfigurable Carry Look-Ahead Add	Garg, B; Patel, SK	Journal Of Signal Processing Syst	2020	25	0 Engr & Technol, Patiala, Punjab, India Web of Science
Theoretical investigations into magne	Singh, M; Singh, AK	Proceedings Of The Institution C	2020	25	0 Inst Engr & Technol, Dept Mech Engr, Patiala Web of Science
Experimental study of biosorption of f	Mukherjee, S; Khan, AA; Barr	Environmental Progress & Susta	2020	25	0 Technol Durgapur, Dept Chem Engr, Durgapur Web of Science
Power quality control through autom	Kaushal, J; Basak, P	let Generation Transmission & C	2020	25	0 Engr & Technol, Elect & Instrumentat Engr Dept, Web of Science
Optimization of modulation-assisted c	Singh, M; Dhiman, S; Singh, H	Materials And Manufacturing Pr	2020	25	0 Technol Ropar, Dept Mech Engr, Rupnagar Web of Science
Machine Translation Systems for India	Singh, M; Kumar, R; Chana, I	Archives Of Computational Metl	2020	25	0 Engr & Technol, Language Engr & Machine Web of Science

Handshaking of VSG with charging sta	Dhingra, K; Singh, M	Electrical Engineering	2020	25	[Dhingra, Karanveer; Singh, Mukesh] Thapar Inst Engn & Technol, Elect & Instrumentat Engn,	Web of Science
Commentary on "On Intuitionistic Fuz	Kaur, A; Kumar, A	Cognitive Computation	2020	25	[Kaur, Arshdeep; Kumar, Amit] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Parameter estimation and optimizatio	Gupta, S; Garg, H; Chaudhary,	Complex & Intelligent Systems	2020	25	[Gupta, Srikant] Jaipuria Inst Management, Jaipur, Rajasthan, India; [Garg, Harish] Deemed Univ, Sch	Web of Science
Advancements in multi-scale filler reir	Nanda, T; Singh, K; Shelly, D; I	Critical Reviews In Solid State Ar	2020	25	[Nanda, Tarun; Shelly, Daksh] Thapar Inst Engn & Technol, Mech Engn Dept, Patiala, Punjab, India;	Web of Science
A Modified Two-Step ANN Ensemble /	Dhaliwal, BS; Kaur, G; Saini, N	Journal Of Circuits Systems And	2020	25	[Dhaliwal, Balwinder S.; Josan, Simranjit Kaur] Guru Nanak Dev Univ, Dept ECE, Ludhiana	Web of Science
Formability Analysis of AA1200 H14 Al	Kumar, N; Singh, A; Agrawal, ,	Transactions Of The Indian Instit	2020	25	[Kumar, Narinder] CT Univ, Dept Mech Engn, Ludhiana 142024, Punjab, India; [Singh,	Web of Science
A computational study of excess prop	Gautam, AK; Chandra, A	Physica A-Statistical Mechanics ,	2020	25	[Gautam, Arvind K.] Natl Inst Technol, Dept Chem Engn, Hamirpur 177005, Himachal Prades, India;	Web of Science
Correlation of spin, size and structure	Dhir, G; Verma, NK	Journal Of Molecular Structure	2020	25	[Dhir, Gitanjali] Publ Coll, Patiala 147101, Punjab, India; [Verma, N. K.] Thapar Inst Engn & Technol,	Web of Science
Development and functionalization of	Abida, K; Chudasama, B; Ali, /	New Journal Of Chemistry	2020	25	[Abida, Km; Ali, Amjad] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science
On Processing and Characterization of	Kaushal, S; Bohra, S; Gupta, D	International Journal Of Metalcc	2020	25	[Kaushal, Sarbjeet] Gulzar Grp Inst, Dept Mech Engn, Khanna, Punjab, India; [Bohra, Sourabh;	Web of Science
An efficient class of iterative methods	Kaur, M; Kansal, M	Journal Of Applied Mathematics	2020	25	[Kaur, Manpreet; Kansal, Munish] Thapar Inst Engn & Technol, Sch Math, Patiala 147004,	Web of Science
Design of a Tri-band Patch Antenna wi	Gupta, A; Kumar, V	Wireless Personal Communicati	2020	25	[Gupta, Anupma] Thapar Inst Engn & Technol, Patiala, Punjab, India; [Kumar, Vipan] Shri Sai Coll	Web of Science
Effect of surface topography on pull-o	Agarwal, R; Jain, V; Gupta, V;	Journal Of The Brazilian Society	2020	25	[Agarwal, Raj; Jain, Vivek; Gupta, Vishal] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala	Web of Science
Smart Charging Station to Cater the St	Dhingra, K; Singh, M	Arabian Journal For Science And	2020	25	[Dhingra, Karanveer; Singh, Mukesh] Thapar Inst Engn & Technol, Elect & Instrumentat Engn,	Web of Science
Highly fluorescent carbon dots derive	Singh, J; Kaur, S; Lee, J; Meht;	Science Of The Total Environme	2020	25	[Singh, Jagpreet; Kaur, Sukhmeen; Rawat, Mohit] Sri Guru Granth Sahib World Univ, Dept	Web of Science
A Short and Efficient Enantioselective	Gehlawat, A; Prakash, R; Panc	Chemistryselect	2020	25	[Gehlawat, Anju; Prakash, Ranjana; Pandey, Satyendra Kumar] Thapar Inst Engn & Technol,	Web of Science
Targeting the Dimerization of the Mai	Goyal, B; Goyal, D	Acs Combinatorial Science	2020	25	[Goyal, Bhupesh] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India;	Web of Science
Nonlinear Acoustic Echo Cancellor to	Kohli, AK; Sharma, J	Wireless Personal Communicati	2020	25	[Kohli, Amit Kumar; Sharma, Jashu] Thapar Inst Engn, Dept Elect & Commun Engn, Patiala 147004,	Web of Science
Profiling of selenium and other trace	Kirichuk, AA; Skalnaya, MG; T	Journal Of Food Science And Tec	2020	25	[Kirichuk, Anatoly A.; Skalnaya, Margarita G.; Grabeklis, Andrei R.; Skalny, Anatoly V.] Peoples	Web of Science
Topology Control Algorithms for Wirel	Singla, P; Munjal, A	Wireless Personal Communicati	2020	25	[Singla, Pallavi; Munjal, Amit] Thapar Inst Engn & Technol, Patiala, Punjab, India	Web of Science
New ranking method for normal intuit	Garg, H	Complex & Intelligent Systems	2020	25	[Garg, Harish] Thapar Inst Engn & Technol Deemed Univ, Sch Math, Patiala 147004, Punjab,	Web of Science
TBCS: A Trust Based Clustering Schem	Singh, K; Verma, AK	Wireless Personal Communicati	2020	25	[Singh, Kuldeep; Verma, Anil Kumar] Thapar Univ, CSED, Patiala, Punjab, India	Web of Science
Improving neural machine translation	Singh, M; Kumar, R; Chana, I	Neural Computing & Applicator	2020	25	[Singh, Muskaan] Thapar Inst Engn & Technol, CSED, Language Engn & Machine Learning Res	Web of Science

Network Anomaly Detection inside Co	Patel, D; Srinivasan, K; Chang, Electronics	2020	25	[Patel, Darsh] Vellore Inst Technol, Sch Comp Sci & Engr, Vellore 632014, Tamil Nadu, India;	Web of Science
A survey: ICT enabled energy efficienc	Arora, S; Bala, A Cluster Computing-The Journal (	2020	25	[Arora, Sumedha] Thapar Inst Engr & Technol, 1 Dept Comp Sci & Engr, Patiala, Punjab, India;	Web of Science
Wavelet optimized upwind conservati	Sharma, D; Goyal, K International Journal Of Moderr	2020	25	[Sharma, Deepika; Goyal, Kavita] Thapar Inst Engr & Technol, Sch Math, Patiala, Punjab, India	Web of Science
An Integrated Converter With Reduce	Singh, AK; Mishra, AK; Gupta, Ieee Transactions On Transport	2020	25	[Singh, Ankit Kumar; Gupta, Krishna Kumar] Thapar Inst Engr & Technol, Dept Elect &	Web of Science
The stability of hole-doped antiferrom	Singh, DK; Go, A; Choi, HY; Ba New Journal Of Physics	2020	25	[Singh, Dheeraj Kumar] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
IEC 61850-Based Communication Laye	Aftab, MA; Hussain, SMS; Ali, Ieee Industrial Electronics Maga	2020	25	[Aftab, Mohd Asim] Thapar Inst Engr & Technol, 0 Patiala, Punjab, India; [Hussain, S. M. Suhail] Natl	Web of Science
A graph-based model to improve soci	Bathla, G; Aggarwal, H; Rani, IJournal Of Supercomputing	2020	25	[Bathla, Gourav; Aggarwal, Himanshu] Punjabi 1 Univ, Dept Comp Engr, Patiala, Punjab, India;	Web of Science
Cyber forensics framework for big dat	Chhabra, GS; Singh, VP; Singh Multimedia Tools And Applicati	2020	25	[Chhabra, Gurpal Singh; Singh, Varinder Pal; 2 Singh, Maninder] Thapar Univ, Comp Sci & Engr	Web of Science
PFCBAS: Pairing Free and Provable Cer	Verma, GK; Singh, BB; Kumar, Ieee Systems Journal	2020	25	[Verma, Girraj Kurnar] Hindustan Coll Sci & Technol, Dept Math, Mathura 281122, Peoples R	Web of Science
White-Box Implementation of Shamir'	Feng, Q; He, DB; Wang, HQ; K Ieee Systems Journal	2020	25	[Feng, Qi; He, Debiao] Wuhan Univ, Sch Cyber Sci & Engr, Minist Educ, Key Lab Aero	Web of Science
FPGA for 5G: Re-configurable Hardwa	Chamola, V; Patra, S; Kumar, I Ieee Wireless Communications	2020	25	[Chamola, Vinay; Patra, Sambit] Birla Inst Technol 1 & Sci, Pilani, Rajasthan, India; [Kumar, Neeraj]	Web of Science
Hybrid intrusion detection and signat	Kaur, S; Singh, M Neural Computing & Applicati	2020	25	[Kaur, Sanmeet; Singh, Maninder] Thapar Univ 2 Patiala, Comp Sci & Engr Dept, Patiala, Punjab,	Web of Science
Deep learning-based sign language re	Wadhawan, A; Kumar, P Neural Computing & Applicati	2020	25	[Wadhawan, Ankita; Kumar, Parteek] Thapar Inst 0 Engr & Technol, Comp Sci & Engr Dept, Patiala,	Web of Science
Effective segmentation and classificati	Krishan, A; Mittal, D Biomedical Engineering-Biomed	2020	25	[Krishan, Abhay; Mittal, Deepti] Thapar Inst Engr 0 & Technol, Dept Elect & Instrumentat Engr,	Web of Science
Mathematical modeling and simulatio	Kumar, D; Ramesh, K; Chok, S Chinese Journal Of Physics	2020	25	[Kumar, Deepak] Lovely Profess Univ, Dept Math, 1 Jalandhar 144411, Punjab, India; [Kumar, Deepak]	Web of Science
Dry reforming of methane using vario	Singh, R; Dhir, A; Mohapatra, Biomass Conversion And Biorefi	2020	25	[Singh, Rattanvir; Mohapatra, Saroj Kumar] 2 Thapar Inst Engr & Technol, Dept Mech Engr,	Web of Science
Deep Convolutional Neural Network fi	Kaur, H; Jindal, N Wireless Personal Communicati	2020	25	[Kaur, Harpreet; Jindal, Neeru] Thapar Inst Engr & Technol, ECE, Patiala, Punjab, India	Web of Science
Compact Meandered Folded-Dipole R	Bansal, A; Sharma, S; Khanna, Wireless Personal Communicati	2020	25	[Bansal, Aarti; Sharma, Surbhi; Khanna, Rajesh] 0 Thapar Inst Engr & Technol, Dept Elect &	Web of Science
eBreCaP: extreme learning-based mor	Dhillon, A; Singh, A let Systems Biology	2020	25	[Dhillon, Arwinder; Singh, Ashima] Thapar Inst 0 Engr & Technol, Comp Sci & Engr Dept, Patiala	Web of Science
On Relation Between Linear Temporal	Bhatia, AS; Kumar, A Journal Of Logic Language And I	2020	25	[Bhatia, Amandeep Singh; Kumar, Ajay] Thapar 0 Inst Engr & Technol, Dept Comp Sci, Patiala,	Web of Science
SP-J48: a novel optimization and mach	Kaur, A; Jain, S; Goel, S Neural Computing & Applicati	2020	25	[Kaur, Amandeep; Jain, Sushma] Thapar Inst Engr 0 & Technol, Comp Sci & Engr Dept, Patiala 147004,	Web of Science
An energy-efficient stable clustering a	Mina, N; Singh, U; Salgotra, R Neural Computing & Applicati	2020	25	[Mina, Nitin] Chandigarh Univ, Dept Elect & 3 Commun Engr, Mohali 140413, Punjab, India;	Web of Science
A novel strategy for indirect control of	Singh, N; Jain, SK Electrical Engineering	2020	25	[Singh, Nagendra; Jain, Sanjay K.] Thapar Inst 0 Engr & Technol, Patiala, Punjab, India;	Web of Science

Novel aggregation operators and rank	Garg, H; Rani, D	Artificial Intelligence Review	2020	25	[Garg, Harish; Rani, Dimple] Thapar Inst Engn & Technol Deemed Univ, Sch Math, Patiala 147004,	Web of Science
Effect of varying biogas mass flow rate	Goga, G; Chauhan, BS; Mahla,	Journal Of Thermal Analysis And	2020	25	[Goga, Geetesh] Lovely Profess Univ, Sch Mech Engn, Phagwara, Punjab, India; [Chauhan,	Web of Science
Effect of varying biogas mass flow rate	Goga, G; Chauhan, BS; Mahla,	Journal Of Thermal Analysis And	2020	25	[Goga, Geetesh] Lovely Profess Univ, Sch Mech Engn, Phagwara, Punjab, India; [Chauhan,	Web of Science
Performance analysis of uncoded and	Shankar, H; Kansal, A	Physical Communication	2020	25	[Shankar, Hari] Thapar Inst Engn & Technol, Elect 0 & Commun Engn Dept, Patiala 147004, Punjab,	Web of Science
Development of nano-silver alkaline p	Joshi, N; Kocher, GS; Kalia, A;	International Journal Of Biologic	2020	25	[Joshi, Nishu] Thapar Inst Engn & Technol, Dept 0 Biotechnol, Patiala 147001, Punjab, India;	Web of Science
Drug sensitivity prediction framework	Sharma, A; Rani, R	International Journal Of Machin	2020	25	[Sharma, Aman; Rani, Rinkle] TIET, CSED, Patiala, 0 Punjab, India	Web of Science
ON Psi-PROJECTIVE EXPANSION, QUAS	Gupta, V; Dhawan, P; Kaur, J	Journal Of Applied Analysis And	2020	25	[Gupta, Vishal] Maharishi Markandeshwar 1 Deemed Be Univ, Dept Math, Mullana 133207,	Web of Science
Effect of Piedmont mutation (L34V) or	Saini, RK; Thakur, H; Goyal, B	Journal Of Molecular Graphics &	2020	25	[Saini, Rajneet Kaur] Sri Guru Granth Sahib World 0 Univ, Fac Basic & Appl Sci, Dept Chem, Fatehgarh	Web of Science
Analysis of laminated piezoelectric coi	Joshan, YS; Santapuri, S; Grov	Applied Mathematical Modelling	2020	25	[Joshan, Yadwinder S.; Santapuri, Sushma] Indian 1 Inst Technol Delhi Hauz Khas, Dept Appl Mech,	Web of Science
Hydrodynamics and parametric study	Sarkar, M; Sangal, V; Bhunia,	Environmental Engineering Rese	2020	25	[Sarkar, Metali; Bhunia, Haripada] Thapar Inst 1 Engn & Technol, Dept Chem Engn, Patiala 147004,	Web of Science
Stimulating business incubation perfo	Kiran, R; Bose, SC	Technology Analysis & Strategic	2020	25	[Kiran, Ravi; Bose, S. C.] Thapar Inst Engn & 0 Technol, Sch Humanities & Social Sci, Patiala	Web of Science
Guest Editorial: Deep Learning for 3D I	Lv, ZH; Wang, XK; Khan, S; Kui	let Image Processing	2020	25	[Lv, Zhihan] Qingdao Univ, Qingdao, Peoples R 0 China; [Wang, Xiaokang] St Francis Xavier Univ,	Web of Science
A framework for three-dimensional fir	Jain, D; Vats, S; Bera, TK; Muk	Journal Of The Brazilian Society	2020	25	[Jain, Deepak; Vats, Sandeep; Bera, Tarun Kumar] 0 Thapar Inst Engn & Technol, Dept Mech Engn,	Web of Science
Internet of Things (IoT), Applications a	Khanna, A; Kaur, S	Wireless Personal Communicati	2020	25	[Khanna, Abhishek; Kaur, Sanmeet] Thapar Inst 0 Engn & Technol, Comp Sci & Engn Dept, Patiala	Web of Science
Response surface optimization of the	Bhatia, V; Manoli, K; Dhir, A; f	Canadian Journal Of Chemical Ei	2020	25	[Bhatia, Vibhu; Dhir, Amit] Thapar Univ, Sch 0 Energy & Environm, Patiala, Punjab, India;	Web of Science
Process enhancement using hydrogen	Tathgir, S; Rathod, DW; Batish	Materials And Manufacturing Pr	2020	25	[Tathgir, Surinder; Rathod, Dinesh W.; Batish, 0 Ajay] Thapar Inst Engn & Technol, Dept Mech	Web of Science
Improved surface morphology by refo	Singh, H; Kumar, S; Mohapatr	International Journal Of Coal Pre	2020	25	[Singh, Harmanpreet; Mohapatra, Saroj Kumar] 0 Thapar Inst Engn & Technol, Dept Mech Engn,	Web of Science
Improved electromagnetic shielding b	Gill, N; Gupta, V; Tomar, M; Si	Composites Science And Techno	2020	25	[Gill, Nisha; Pandey, O. P.; Singh, Dwijendra P.] 0 Thapar Inst Engn & Technol, Sch Phys & Mat Sci,	Web of Science
An efficient enantioselective approach	Gehlawat, A; Prakash, R; Panr	Rsc Advances	2020	25	[Gehlawat, Anju; Prakash, Ranjana; Pandey, 0 Satyendra Kumar] Thapar Inst Engn & Technol,	Web of Science
Investigation of Microwave Processing	Mago, J; Bansal, S; Gupta, D; J	Metallurgical And Materials Trai	2020	25	[Mago, Jonty; Bansal, Sandeep; Gupta, Dheeraj; 0 Jain, Vivek] Thapar Inst Engn & Technol, Mech	Web of Science
Continuous monitoring of suspended	Ghorbani, MA; Khatibi, R; Sin	Scientific Reports	2020	25	[Ghorbani, Mohammad Ali; Salmasi, Farzin; 0 Samadianfard, Saeed; Shahabi, Mahmood] Univ	Web of Science
Effect of processing route on the prop	Ahuja, A; Gautam, M; Sinha, /	Bulletin Of Materials Science	2020	25	[Ahuja, Aakash; Gautam, Manoj; 0 Venkatasubramanian, A.] Thapar Univ, Sch Energy	Web of Science
A "turn-on" fluorescent and colorimet	Mondal, S; Manna, SK; Pathal	New Journal Of Chemistry	2020	25	[Mondal, Sanchita; Mukhopadhyay, Subrata] 0 Jadavpur Univ, Dept Chem, Kolkata 700032, India;	Web of Science

Investigation of multiple heterogeneo	Yang, ZL; Garg, H; Li, JQ; Sriva	Neural Computing & Applicator	2020	25	[Yang, Zaoli] Beijing Univ Technol, Coll Econ & Management, Beijing, Peoples R China; [Garg,	Web of Science
Biodegradation of Butachlor by Bacillu	Kaur, R; Goyal, D	Current Microbiology	2020	25	[Kaur, Ravneet; Goyal, Dinesh] Thapar Inst Engr & Technol, Dept Biotechnol, Patiala 147001, Punjab,	Web of Science
An Improved Technique for Face Age I	Sharma, N; Sharma, R; Jindal,	Wireless Personal Communicati	2020	25	[Sharma, Neha; Sharma, Reecha] Punjabi Univ, Dept Elect & Commun Engr, Patiala 147001,	Web of Science
Three-dimensional printing of dual thre	Kumar, S; Singh, R; Singh, TP;	Journal Of Thermoplastic Compr	2020	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay; Kumar, Akshay] Thapar Inst Engr & Technol, Dept Mech	Web of Science
A novel design of energy efficient bidi	Goyal, R; Kaler, RS; Rani, M	Microwave And Optical Technol	2020	25	[Goyal, Rakesh] IK Gujral Punjab Tech Univ, Dept ECE, Kapurthala, Punjab, India; [Kaler, Rajinder	Web of Science
Sulphuric acid-functionalized siliceous	Abida, K; Ali, A	Chemical Papers	2020	25	[Abida, Km; Ali, Amjad] Thapar Inst Engr & Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science
LoBA: A Leading One Bit Based Imprec	Garg, B; Patel, SK; Dutt, S	Journal Of Electronic Testing-Th	2020	25	[Garg, Bharat; Patel, Sujit Kumar] Thapar Inst Engr & Technol, Patiala, Punjab, India; [Dutt,	Web of Science
Modelling solids friction for fluidized c	Sharma, K; Mallick, SS; Mittal,	Particulate Science And Technol	2020	25	[Sharma, Kapil; Mallick, Soumya. S.; Mittal, Anu] Thapar Inst Engr & Technol, Dept Mech Engr, Lab	Web of Science
A Posteriori Error Estimates for Hughe	Kaur, B; Sangwan, V	Advances In Mathematical Physi	2020	25	[Kaur, Brehmit; Sangwan, Vivek] Thapar Inst Engr & Technol, Sch Math, Patiala 147004, Punjab,	Web of Science
Over-expression of Osmotin (OsmWS)	Kaur, A; Reddy, MS; Pati, PK;	I Plant Cell Tissue And Organ Cult	2020	25	[Kaur, Amanpreet; Reddy, M. Sudhakara; Kumar, Anil] Thapar Inst Engr & Technol, Dept	Web of Science
Restoration of highly salt-and-pepper-	Garg, B	Signal Image And Video Processi	2020	25	[Garg, Bharat] Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Once through continuous flow remov	Talwar, S; Verma, AK; Sangal,	Chemical Engineering Journal	2020	25	[Talwar, Steffi] Thapar Inst Engr & Technol, Dept Chem Engr, Patiala, Punjab, India; [Verma, Anoop	Web of Science
Cross-Layer Energy Based Clustering	T Randhawa, S; Jain, S	Wireless Personal Communicati	2020	25	[Randhawa, Sukhchandan; Jain, Sushma] Thapar Inst Engr & Technol, Comp Sci & Engr Dept,	Web of Science
Utilization of drinking water treatmen	Liu, Y; Yan, ZG; Chow, CWK; K	Journal Of Environmental Mana	2020	25	[Liu, Yue; Yan Zhuge; Chow, Christopher W. K.; Li, Danda; Phuong Ngoc Pham; Huang, Jianyin] Univ	Web of Science
Comparison of mechanical and morph	Kumar, S; Singh, R; Singh, TP;	Journal Of Thermoplastic Compr	2020	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar Inst Engr & Technol, Dept Mech Engr, Patiala,	Web of Science
Deep learning based image classificati	Pannu, HS; Ahuja, S; Dang, N;	Multimedia Tools And Applicati	2020	25	[Pannu, Husanbir Singh; Ahuja, Sahil; Dang, Nitin; Soni, Sahil; Malhi, Avleen Kaur] Thapar Inst Engr	Web of Science
A Systematic Review of Hidden Marko	Mor, B; Garhwal, S; Kumar, A	Archives Of Computational Metl	2020	25	[Mor, Bhavya; Garhwal, Sunita; Kumar, Ajay] Thapar Inst Engr & Technol, Comp Sci & Engr	Web of Science
Performance of zero cross correlation	Kaur, R; Kaler, RS	International Journal Of Commu	2020	25	[Kaur, Rupinder; Kaler, Rajinder Singh] TIET, Dept ECE, Patiala, Punjab, India	Web of Science
A survey on brain tumor detection tec	Chahal, PK; Pandey, S; Goel, S	Multimedia Tools And Applicati	2020	25	[Chahal, Prabhjot Kaur; Pandey, Shreelekha] Thapar Inst Engr & Technol, Comp Sci & Engr	Web of Science
Hyper-parameter optimization of dee	Kaur, S; Aggarwal, H; Rani, R	Machine Vision And Application	2020	25	[Kaur, Sukhpal; Aggarwal, Himanshu] Punjabi Univ, Dept Comp Engr, Patiala 147002, Punjab,	Web of Science
Synthesis of polyaniline/clay nanocorr	Kalotra, S; Mehta, R	Polymer Bulletin	2020	25	[Kalotra, Shivani; Mehta, Rajeev] Thapar Inst Engr & Technol, Dept Chem Engr, Patiala 147004,	Web of Science
Optimum orientations for octupole de	Jain, S; Sharma, MK; Kumar, R	Physical Review C	2020	25	[Jain, Shivani; Sharma, Manoj K.; Kumar, Raj] Thapar Inst Engr & Technol, Sch Phys & Mat Sci,	Web of Science
High slew rate and low output resistar	Jindal, C; Pandey, R	Sadhana-Academy Proceedings	2020	25	[Jindal, Caffey; Pandey, Rishikesh] Thapar Inst Engr & Technol, Dept Elect & Commun Engr,	Web of Science

In Vitro Screening and Characterization of Plant Growth Regulators	Singh, D; Kumar, A	Journal Of Plant Growth Regulation	2020	25	0 Technol, Ctr Relevance & Excellence CORE Agro & [Chaudhary, Sanchita; Pandey, Rishikesh] Thapar	Web of Science
High-speed, low-power and low-off-set	Chaudhary, S; Pandey, R	Sadhana-Academy Proceedings	2020	25	0 Inst Engr & Technol, Dept ECE, Patiala, Punjab, [Arora, Sumedha; Bala, Anju] Thapar Inst Engr &	Web of Science
An ensemble data frequency prediction	Arora, S; Bala, A	Journal Of Ambient Intelligence	2020	25	0 Technol, Dept Comp Sci & Engr, Patiala, Punjab, [Godara, R. K.] Thapar Inst Engr & Technol, Mech	Web of Science
A novel capacitive mass sensor using	Godara, RK; Sharma, AK; Joshi	Microsystem Technologies-Micro	2020	25	0 Engr Dept, Patiala 147001, Punjab, India; [Kaur, Gurwinder; Sharma, Piyush; Priya, Ruby;	Web of Science
Thermal dehydration kinetics involving	Kaur, G; Sharma, P; Priya, R; P	Journal Of Alloys And Compounds	2020	25	0 Pandey, O. P.] Thapar Inst Engr & Technol, Sch [Mehta, Vivek; Bawa, Seema; Singh, Jasmeet]	Web of Science
Analytical review of clustering techniques	Mehta, V; Bawa, S; Singh, J	Artificial Intelligence Review	2020	25	0 Thapar Inst Engr & Technol, Comp Sci & Engr [Sutrala, Anil Kumar] CA Technol, Hyderabad	Web of Science
On the Design of Conditional Privacy	F Sutrala, AK; Bagga, P; Das, AK	IEEE Transactions On Vehicular	2020	25	1 500032, India; [Bagga, Palak; Das, Ashok Kumar] [Sharma, Vipin Kumar; Kumar, Vinod; Joshi,	Web of Science
Parametric study of aluminium-rare earth	Sharma, VK; Kumar, V; Joshi, I	Journal Of Materials Research A	2020	25	0 Ravinder Singh] Thapar Inst Engr & Technol [Kaur, Gurjit; Sharma, Manoj K.] Thapar Inst Engr	Web of Science
Relative emergence of fission and fusion	Kaur, G; Sharma, MK	Indian Journal Of Pure & Applied	2020	25	0 & Technol, Sch Phys & Mat Sci, Patiala 147004, [Yang, Zaoli; Li, Xin; Qi, Meng] Beijing Univ	Web of Science
Decision Support Algorithm for Selection	Yang, ZL; Li, X; Garg, H; Qi, M	International Journal Of Environment	2020	25	5 Technol, Coll Econ & Management, Beijing [Singh, M.] Arya Coll, Dept Math, Ludhiana	Web of Science
On the Coincidence of the Central and	Singh, M; Gumber, D	Mathematical Notes	2020	25	0 141001, Punjab, India; [Gumber, D.] Thapar Inst [Petwal, Hemant; Rani, Rinkle] Thapar Inst Engr &	Web of Science
An Improved Artificial Electric Field Algorithm	Petwal, H; Rani, R	Processes	2020	25	0 Technol, Dept Comp Sci & Engr, Patiala 147004, [Behl, Ramandeep] King Abdulaziz Univ, Dept	Web of Science
Modified King's Family for Multiple	Behl, R; Kansal, M; Salimi, M	Mathematics	2020	25	0 Math, Jeddah 21589, Saudi Arabia; [Kansal, [Garg, Harish; Rani, Dimple] Thapar Inst Engr	Web of Science
Generalized Geometric Aggregation	O Garg, H; Rani, D	Cognitive Computation	2020	25	0 Technol Deemed Univ, Sch Math, Patiala 147004, [Bharti, Puja; Jain, Sushma] Thapar Univ, CSED,	Web of Science
Hybrid frameworks for flexible job shop	Bharti, P; Jain, S	International Journal Of Advanced	2020	25	0 Patiala, Punjab, India [Aneja, Madhu; Sharma, Sapna] Thapar Inst Engr	Web of Science
Natural convection in a partially heated	Aneja, M; Chandra, A; Sharma	International Communications In	2020	25	1 & Technol, Sch Math, Patiala 147004, Punjab, [Singh, Jaskaran; Azamfar, Moslem; Ainapure,	Web of Science
Deep learning-based cross-domain adaptation	Singh, J; Azamfar, M; Ainapure	Measurement Science And Technology	2020	25	4 Abhijeet; Lee, Jay] Univ Cincinnati, NSF Ind Univ [Sidhu, Ravneet Kaur; Kumar, Ravinder; Rana,	Web of Science
Machine learning based crop water demand	Sidhu, RK; Kumar, R; Rana, PS	Multimedia Tools And Applications	2020	25	0 Prashant Singh] Thapar Inst Engr & Technol, [Walia, Sushma; Singh, Sarbjit; Babbar, Richa]	Web of Science
Prioritization of Soil Erosion Vulnerability	Walia, S; Singh, S; Babbar, R; I	Journal Of The Geological Society	2020	25	0 Thapar Univ, Dept Civil Engr, Patiala 147004, [Bajpai, Rishabh; Srivastava, Anshuman] Dept Civil	Web of Science
Environmental impact assessment of	Bajpai, R; Choudhary, K; Srivastava	Journal Of Cleaner Production	2020	25	2 Engr, BITS Pilani, Pilani Campus, Pilani 333031, [Kansal, Isha; Kasana, Singara Singh] Thapar Inst	Web of Science
Improved color attenuation prior based	Kansal, I; Kasana, SS	Multimedia Tools And Applications	2020	25	0 Engr & Technol, Dept Comp Sci & Engr, Patiala [Sandhu, Jasminder Kaur] Thapar Inst Engr &	Web of Science
An Expert Approach for Data Flow Prediction	Sandhu, JK; Verma, AK; Rana,	Wireless Personal Communications	2020	25	1 Technol, Patiala, Punjab, India; [Sandhu, [Chhina, Manmeet Kaur; Singh, K.] Thapar Inst	Web of Science
Dy3+ and inherent Ti4+ activated Ca2+	Chhina, MK; Singh, K	Ceramics International	2020	25	1 Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science

Influence of the size of gold nanoparti	Singla, S; Achanta, VG; Pande	Ceramics International	2020	25	[Singla, Shivani; Pandey, Om Prakash] Thapar Inst 0 Engn & Technol, Sch Phys & Mat Sci, Funct Mat	Web of Science
Creep Response of Rotating Composit	Singh, R; Saxena, RK; Khanna,	Defence Science Journal	2020	25	[Singh, Rajinder; Gupta, V. K.] Punjabi Univ, Dept 0 Mech Engn, Patiala 147002, Punjab, India;	Web of Science
Improved Magnetic and Microwave Pi	Verma, S; Mahadevan, S; Pah	Journal Of Superconductivity An	2020	25	[Verma, Samiksha; Mahadevan, Santhoshkumar; 0 Pahwa, Chhavi; Singh, Anoop Pratap; Sharma,	Web of Science
Non-differentiable Vector Programmi	Kaur, A; Sharma, MK	Bulletin Of The Malaysian Math	2020	25	[Kaur, Arshpreet; Sharma, M. K.] Thapar Inst Engn 0 & Technol, Patiala, Punjab, India	Web of Science
An efficient smart parking pricing syst	Saharan, S; Kumar, N; Bawa, S	Future Generation Computer Sy	2020	25	1 Thapar Inst Engn & Technol, Dept Comp Sci & [Salinigopal, M. S.; Anjana, P. S.] Univ Kerala, All St	Web of Science
Synthesis and characterization of 50Bz	Salinigopal, MS; Gopakumar,	Journal Of Non-Crystalline Solid:	2020	25	0 Coll, Dept Phys, Trivandrum 695007, Kerala, India; [Garg, Shaweta; Dhiman, Isha] Thapar Inst Engn &	Web of Science
Two-channel totally asymmetric simpl	Garg, S; Dhiman, I	Physica A-Statistical Mechanics ,	2020	25	0 Technol, Sch Math, Patiala 147001, Punjab, India [Gill, Komal Singh; Saxena, Sharad] Thapar Inst	Web of Science
GTM-CSec: Game theoretic model for	Gill, KS; Saxena, S; Sharma, A	Computers & Security	2020	25	0 Engn & Technol, Comp Sci & Engn Dept, Patiala [Jain, Shivani; Sharma, Manoj K.; Kumar, Raj]	Web of Science
Analysis of the barrier characteristics	Jain, S; Sharma, MK; Kumar, R	Nuclear Physics A	2020	25	0 Thapar Inst Engn & Technol, Sch Phys & Mat Sci, [Mehta, Ruhii; Luxami, Vijay] Thapar Inst Engn &	Web of Science
Rhodamine-anthraquinone based dya	Mehta, R; Luxami, V	Inorganic Chemistry Communica	2020	25	1 Technol, Sch Chem & Biochem, Patiala 147004, [Sharma, Gaurav; Singh, K.] Thapar Inst Engn &	Web of Science
Dielectric and optical properties of gla	Sharma, G; Singh, K	Materials Chemistry And Physics:	2020	25	0 Technol, Sch Phys & Mat Sci, Patiala 147004, [Kaur, Navjot; Goyal, Kavita] Thapar Inst Engn &	Web of Science
Uncertainty propagation using Wiener	Kaur, N; Goyal, K	Computers & Mathematics With	2020	25	0 Technol, Sch Math, Patiala, Punjab, India [Garg, Harish; Singh, Sukhveer] Thapar Inst Engn	Web of Science
Algorithm for solving group decision-m	Garg, H; Singh, S	Soft Computing	2020	25	6 & Technol Deemed Univ, Sch Math, Patiala [Mahajan, Mani; Parmar, Swati; Ogale,	Web of Science
Room temperature processed in-situ c	Mahajan, M; Roy, K; Parmar, S	Carbon	2020	25	0 Satishchandra] Indian Inst Sci Educ & Res Pune, [Yadav, Aanchal; Godara, R. K.; Bhardwaj,	Web of Science
A review on XIGA method for comput	Yadav, A; Godara, RK; Bhardw	Engineering Fracture Mechanics	2020	25	0 Gagandeep] Thapar Inst Engn & Technol, Mech [Singh, Hari Shankar; Upadhyay, Rahul] Thapar	Web of Science
Performances study of compact printe	Singh, HS; Upadhyay, R; Shub	International Journal Of Rf And I	2020	25	0 Inst Engn & Technol, Dept Elect & Commun Engn, [Singh, Satwant; Sonar, Santosh] Thapar Inst Engn	Web of Science
A New SVPWM Technique to Reduce t	Singh, S; Sonar, S	Ieee Transactions On Industrial I	2020	25	2 & Technol, Dept Elect & Instrumentat Engn, [Singh, Simar Preet; Kumar, Rajesh] Thapar Inst	Web of Science
Design and exploration of load balanc	Singh, SP; Sharma, A; Kumar,	Simulation Modelling Practice A	2020	25	0 Engn & Technol, Comp Sci & Engn Dept, Patiala, [Singh, Harpreet; Bhowmick, Hiralal] Thapar Inst	Web of Science
Lubrication characteristics and wear	n Singh, H; Bhowmick, H	Tribology International	2020	25	3 Engn & Technol, Dept Mech Engn, Patiala 147004, [Jindal, Anish] Univ Lancaster, Sch Comp &	Web of Science
A Heuristic-Based Appliance Schedulir	Jindal, A; Bhambhu, BS; Singh	Ieee Transactions On Industrial I	2020	25	1 Commun, Lancaster LA1 4WA, England; [Singh, S.] Thapar Inst Engn & Technol, Comp Sci	Web of Science
Guest Editorial: Energy Management,	Singh, S; Sheng, QZ; Benkhelil	Ieee Transactions On Industrial I	2020	25	0 & Engn Dept, Patiala 147004, Punjab, India; [Verma, Girraj Kumar] Amity Univ Madhya	Web of Science
An efficient and provable certificate-b	Verma, GK; Singh, BB; Kumar,	Information Sciences	2020	25	0 Pradesh, Amity Sch Engn & Technol, Gwalior, [Garg, Harish] Deemed Univ, Sch Math, Thapar	Web of Science
Multiattribute group decision making	Garg, H; Chen, SM	Information Sciences	2020	25	9 Inst Engn & Technol, Patiala 147004, Punjab,	Web of Science

Morphology Dependent Photocatalytic	Bathla, A; Rather, RA; Poonia, Journal Of Nanoscience And Nanotechnology	2020	25	[Bathla, Aadil; Poonia, Tamanna; Pal, Bonamali] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Rather, Rakesh] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Poonia, Tamanna] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Pal, Bonamali] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India	Web of Science
A forefront to machine translation technology	Singh, M; Kumar, R; Chana, I Soft Computing	2020	25	[Singh, Muskaan] Thapar Inst Engn & Technol, Language Technol & Machine Learning Res Lab, Patiala 147002, Punjab, India; [Kumar, Rishi] Thapar Inst Engn & Technol, Language Technol & Machine Learning Res Lab, Patiala 147002, Punjab, India; [Chana, Inderveer] Thapar Inst Engn & Technol, Language Technol & Machine Learning Res Lab, Patiala 147002, Punjab, India	Web of Science
AutoTrustRec: Recommender System	Bathla, G; Aggarwal, H; Rani, I Multimedia Tools And Applications	2020	25	[Bathla, Gourav] Punjab Univ, Patiala 147002, Punjab, India; [Aggarwal, Himanshu] Punjab Univ, Patiala 147002, Punjab, India; [Rani, Inderveer] Punjab Univ, Patiala 147002, Punjab, India	Web of Science
Isolated word language identification	Sangwan, P; Deshwal, D; Kumar, S International Journal Of Communications	2020	25	[Sangwan, Pardeep; Deshwal, Deepti] Maharaja Ganga Pratap Inst Technol, Dept ECE, New Delhi, India; [Kumar, Suresh] Maharaja Ganga Pratap Inst Technol, Dept ECE, New Delhi, India	Web of Science
Real-time implementation of active power control	Badoni, M; Singh, A; Singh, B; Singh, H IET Generation Transmission & Distribution	2020	25	[Badoni, Manoj] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala, Punjab, India; [Singh, Anshu] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala, Punjab, India; [Singh, Bhanu] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala, Punjab, India; [Singh, Hardeep] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala, Punjab, India	Web of Science
Performance analysis of multicore microcontroller	Goyal, S; Kaler, RS; Singh, H Microwave And Optical Technology	2020	25	[Goyal, Shivani; Singh, Hardeep] TIET, Dept Elect & Commun Engn, Patiala, Punjab, India; [Kaler, Rashmeet] Thapar Inst Engn & Technol, Cloud & IoT Res Lab, CSED, Patiala, Punjab, India; [Singh, Inderveer] Thapar Inst Engn & Technol, Cloud & IoT Res Lab, CSED, Patiala, Punjab, India	Web of Science
Network Analysis as a Computational Tool	Toor, R; Chana, I Archives Of Computational Mathematics	2020	25	[Toor, Rashmeet; Chana, Inderveer] Thapar Inst Engn & Technol, Cloud & IoT Res Lab, CSED, Patiala, Punjab, India; [Singh, Ishita; Sharma, Manoj K.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147002, Punjab, India	Web of Science
Fragmentation analysis of Ag-105* nu	Sharma, I; Sharma, MK Modern Physics Letters A	2020	25	[Sharma, Inderveer] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147002, Punjab, India; [Sharma, Manoj K.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147002, Punjab, India	Web of Science
Effect of transition metals (MO-TiO2, I)	Danewalia, SS; Khan, S; Dhillon, S Ionics	2020	25	[Danewalia, Satwinder Singh] Lovely Profess Univ, Div Res & Dev, Phagwara 144411, India; [Khan, Vipin] AcSIR, Chandigarh, India; [Dhillon, Suresh] AcSIR, Chandigarh, India	Web of Science
Mathematical and simulation analysis	Kumar, V; Garg, H; Singh, C; Kaur, N Proceedings Of The Institution Of Engineers - Part C: Computers & Communications	2020	25	[Kumar, Vipin; Garg, Harry; Karar, Vinod] CSIO, Patiala 147002, Punjab, India; [Singh, Chandan] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India; [Kaur, Navneet; Tiwari, S. D.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India	Web of Science
Role of wide particle size distribution	Kaur, N; Tiwari, SD Applied Physics A-Materials Science	2020	25	[Kaur, Navneet; Tiwari, S. D.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147004, Punjab, India; [Singh, Iqbal; Luxami, Vijay; Paul, Kamaldeep] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India	Web of Science
Synthesis, cytotoxicity, pharmacokinetics	Singh, I; Luxami, V; Paul, K Scientific Reports	2020	25	[Singh, Inderveer] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Luxami, Vijay] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Paul, Kamaldeep] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India	Web of Science
Solar light driven photocatalytic oxidation	Bhardwaj, S; Pal, B Journal Of Photochemistry And Photobiology	2020	25	[Bhardwaj, Sakshi; Pal, Bonamali] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147002, Punjab, India; [Jain, Prince; Singh, Arvind K.; Pandey, Janmejaya] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147002, Punjab, India	Web of Science
Ultra-thin metamaterial perfect absorber	Jain, P; Singh, AK; Pandey, JK; Singh, H IET Microwaves Antennas & Propagation	2020	25	[Jain, Prince; Singh, Arvind K.; Pandey, Janmejaya] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147002, Punjab, India; [Singh, Hardeep] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147002, Punjab, India; [Pandey, Rishi] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147002, Punjab, India	Web of Science
Experimental analysis and characterization	Sharma, VK; Kumar, V; Joshi, I International Journal Of Advanced Research	2020	25	[Sharma, Vipin Kumar; Kumar, Vinod; Joshi, Ravinder Singh; Sharma, Deepak] Thapar Inst Engn & Technol, Sch Chem & Technol, Patiala 147002, Punjab, India; [Mittal, Neetu] Amity Univ Uttar Pradesh, Amity Inst Informat Technol, Noida, India; [Tayal, Singh, S. Pratap; Kumar, Sanjay] BIT, Dept ECE, Ranchi, Bihar, India; [Kumar, Amit] TIET, Dept ECE, Chandigarh Univ, Chandigarh, India	Web of Science
Advance computer analysis of magnetoresistance	Mittal, N; Tayal, S International Journal Of Neuroscience	2020	25	[Mittal, Neetu] Amity Univ Uttar Pradesh, Amity Inst Informat Technol, Noida, India; [Tayal, Singh, S. Pratap; Kumar, Sanjay] BIT, Dept ECE, Ranchi, Bihar, India; [Kumar, Amit] TIET, Dept ECE, Chandigarh Univ, Chandigarh, India	Web of Science
Closed Form Expressions for Average Power	Singh, SP; Kumar, A; Mishra, S Wireless Personal Communications	2020	25	[Singh, Suresh] Maharaja Ganga Pratap Inst Technol, Dept ECE, New Delhi, India; [Kumar, Amit] TIET, Dept ECE, Chandigarh Univ, Chandigarh, India; [Mishra, Suresh] Maharaja Ganga Pratap Inst Technol, Dept ECE, New Delhi, India	Web of Science
Fractional S-Transform and Its Properties	Ranjan, R; Jindal, N; Singh, AK Wireless Personal Communications	2020	25	[Ranjan, Rajeev] Chandigarh Univ, Elect & Commun Engn Dept, Mohali, Punjab, India; [Singh, Anshu] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India; [Sharma, Surbhi; Basu, Soumen] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Waste-to-energy nexus for circular economy	Sharma, S; Basu, S; Shetti, NP Science Of The Total Environment	2020	25	[Sharma, Vipin Kumar; Kumar, Vinod; Joshi, Ravinder Singh; Sharma, Deepak] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India; [Priya, Ruby; Pandey, O. P.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Funct Mat Lab, Patiala 147002, Punjab, India; [Garg, Harish; Arora, Rishu] Deemed Univ, Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India; [Singh, Nagendra; Jain, Sanjay K.] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Spectroscopic analysis of alkaline-earth metal	Priya, R; Pandey, OP Spectrochimica Acta Part A-Molecular Spectroscopy	2020	25	[Priya, Ruby; Pandey, O. P.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Funct Mat Lab, Patiala 147002, Punjab, India; [Garg, Harish; Arora, Rishu] Deemed Univ, Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India; [Singh, Nagendra; Jain, Sanjay K.] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Algorithms Based on COPRAS and Aggregating	Garg, H; Arora, R Mathematical Problems In Engineering	2020	25	[Garg, Harish; Arora, Rishu] Deemed Univ, Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India; [Singh, Nagendra; Jain, Sanjay K.] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
Investigation of three-level NPC-qZS inverter	Singh, N; Jain, SK IET Power Electronics	2020	25	[Singh, Anshu] Thapar Inst Engn & Technol, EIED, POB 32, Bhadson Rd, Patiala, Punjab, India; [Jain, Sanjay K.] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India; [Perelman, Carlos] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science
A Hamiltonian model of the Fibonacci sequence	Sen, A; Perelman, CC European Physical Journal B	2020	25	[Sen, Amrik] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India; [Perelman, Carlos] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India	Web of Science

Measuring the maturity of Indian sma	Singh, A; Gill, SS	Journal Of Software-Evolution A	2020	25	[Singh, Ashima] Thapar Inst Engn & Technol, 0 Comp Sci & Engn Dept, Patiala, Punjab, India;	Web of Science
Effect of density and nucleon-nucleon	Bhuyan, M; Kumar, R; Rana, S	Physical Review C	2020	25	[Bhuyan, M.] Univ Malaya, Fac Sci, Dept Phys, 0 Kuala Lumpur 50603, Malaysia; [Bhuyan, M.] Duy	Web of Science
Designing composition tuned glasses \	Bansal, N; Mohanty, BC; Singl	Journal Of Alloys And Compound	2020	25	[Bansal, Neetu; Mohanty, Bhaskar Chandra; 0 Singh, K.] Thapar Inst Engn & Technol, Sch Phys &	Web of Science
JMD method for transforming an unb:	Mishra, A; Kumar, A	Soft Computing	2020	25	[Mishra, Akansha; Kumar, Amit] Thapar Inst Engn 0 & Technol, Sch Math, Patiala, Punjab, India	Web of Science
Complete and incomplete fusion cross:	Sharma, I; Grover, N; Sharma,	Indian Journal Of Pure & Applie	2020	25	0 Thapar Inst Engn & Technol, Sch Phys & Mat Sci, [Vyas, Sumit] Thapar Inst Engn & Technol, Dept	Web of Science
A Short Review on Properties and App	Vyas, S	Johnson Matthey Technology Re	2020	25	1 Elect & Commun Engn, Patiala 147001, Punjab, [Barman, Sanghamitra] Dr BR Ambedkar Natl Inst	Web of Science
Synthesis of cymene in flow reactor ov	Thakur, R; Halder, G; Barman,	International Journal Of Chemic	2020	25	0 Technol, Dept Chem Engn, Jalandhar, Punjab, [Gupta, Ashima; Singh, Anil; Agarwal, Alpana]	Web of Science
Implementation of Low Supply Rail-to	Gupta, A; Singh, A; Agarwal, A	Journal Of Circuits Systems And	2020	25	0 Thapar Inst Engn & Technol, Elect & Commun [Verma, Girraj Kumar] Amity Univ Madhya	Web of Science
CB-CAS: Certificate-Based Efficient Sig	Verma, GK; Singh, BB; Kumar,	IEEE Internet Of Things Journal	2020	25	3 Pradesh, Amity Sch Engn & Technol, Dept Math, [Gill, Harsuminder Kaur; Sehgal, Vivek Kumar]	Web of Science
A context sensitive security framework	Gill, HK; Sehgal, VK; Verma, A	Multimedia Tools And Applicati	2020	25	0 Jaypee Univ Informat Technol, Dept Comp Sci & [Javed, Abdul Rehman; Khan, Suleman] Air Univ,	Web of Science
Analyzing the Effectiveness and Contri	Javed, AR; Sarwar, MU; Khan,	Sensors	2020	25	2 Natl Ctr Cyber Secur, Islamabad 44000, Pakistan; [Garg, Harish] Deemed Univ, Thapar Inst Engn &	Web of Science
Power Aggregation Operators and VIK	Garg, H; Gwak, J; Mahmood, M	Mathematics	2020	25	4 Technol, Sch Math, Patiala 147004, Punjab, India; [Walia, Sushma; Singh, Sarbjit; Babbar, Richa]	Web of Science
Runoff Induced Soil Erosion and its Im	Walia, S; Singh, S; Babbar, R	Journal Of The Geological Societ	2020	25	0 Thapar Univ, Dept Civil Engn, Patiala 147004, [Ganguli, Souvik; Kaur, Gagandeep] Thapar Inst	Web of Science
Identification in the delta domain: a u	Ganguli, S; Kaur, G; Sarkar, P	Soft Computing	2020	25	0 Engn & Technol, Dept Elect & Instrumentat Engn, [Medikonda, Jeevan] Manipal Acad Higher Educ,	Web of Science
An information set-based robust text-	Medikonda, J; Bhardwaj, S; M	Soft Computing	2020	25	0 Manipal, Karnataka, India; [Bhardwaj, Saurabh] [Pham, Quoc-Viet] Pusan Natl Univ, Inje Univ, Res	Web of Science
Whale Optimization Algorithm With A	Pham, QV; Mirjalili, S; Kumar,	IEEE Transactions On Vehicular	2020	25	3 Inst Comp Informat & Commun, Busan 46241, [Kaur, Pawandeep; Sharma, Sunidhi; Singh,	Web of Science
Insulin-copper quantum clusters prep:	Kaur, P; Sharma, S; Choudhur	Colloids And Surfaces B-Biointer	2020	25	0 Deepika; Sharma, Shreya; Choudhury, Diptiman] [Kaur, Maninder; Kaur, Gurpreet] Thapar Inst	Web of Science
Binary cuckoo search metaheuristic-bi	Kaur, M; Kaur, G; Sharma, PK;	Journal Of Supercomputing	2020	25	0 Engn & Technol Deemed Univ, Comp Sci & Engn [Kaushal, S.; Badru, R.; Singh, P.] Sri Guru Granth	Web of Science
Novel Horizon: Smart TiO2/Sn(IV)SbP I	Kaushal, S; Kaur, H; Kumar, S;	Russian Journal Of Inorganic Che	2020	25	0 Sahib World Univ, Dept Chem, Fatehgarh Sahib [Kumar, Rajesh] Thapar Inst Engn & Technol, Dept	Web of Science
Lyapunov stability-Dynamic Back Prop	Kumar, R; Srivastava, S; Mohi	Soft Computing	2020	25	0 Elect & Instrumentat Engn, Patiala 147004, [Singh, Satnam; Bahl, Ankur] Lovely Profess Univ	Web of Science
Occupational safety evaluation index-	Singh, S; Kaur, M; Bahl, A; Up	Modern Physics Letters B	2020	25	0 Jalandhar, Dept Mech Engn, Jalandhar, Punjab, [Kaur, Mandeep; Munjal, Amit] Thapar Inst Engn	Web of Science
Data aggregation algorithms for wirele	Kaur, M; Munjal, A	Ad Hoc Networks	2020	25	0 & Technol, Dept Elect & Commun, Patiala 147004, [Sharma, Bandhana; Singh, Neetu; Kushwaha, Jai	Web of Science
Natural Deep Eutectic Solvent-Mediat	Sharma, B; Singh, N; Kushwa	Journal Of Chemical And Engine	2020	25	1 Prakash] Thapar Inst Engn & Technol, Dept Chem	Web of Science

Skin-Patchable Electrodes for Biosens	Shetti, NP; Mishra, A; Basu, S; Acs Biomaterials Science & Engi	2020	25	[Shetti, Nagaraj P.] KLE Inst Technol, Ctr 1 Electrochem Sci & Mat, Dept Chem, Hubballi	Web of Science
Analysis of n-evaporation from light rr	Kaur, A; Sharma, MK Modern Physics Letters A	2020	25	[Kaur, Amandeep; Sharma, Manoj K.] Thapar Inst 0 Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Aspect-based sentiment analysis using	Kumar, R; Pannu, HS; Malhi, f Neural Computing & Applicator	2020	25	[Kumar, Ravindra; Pannu, Husanbir Singh; Malhi, 3 Avleen Kaur] Thapar Univ, Comp Sci & Engr,	Web of Science
A novel possibility measure to interval	Garg, H; Kumar, K Neural Computing & Applicator	2020	25	[Garg, Harish; Kumar, Kamal] Deemed Univ, Sch 5 Math, Thapar Inst Engr & Technol, Patiala	Web of Science
On the improvement in grey wolf opti	Salgotra, R; Singh, U; Sharma, Neural Computing & Applicator	2020	25	[Salgotra, Rohit; Singh, Urvinder; Sharma, Sakshi] 3 Thapar Univ, Elect & Commun Engr Dept, Patiala,	Web of Science
Classification of EEG signals using hybr	Saini, N; Bhardwaj, S; Agarwa Neural Computing & Applicator	2020	25	[Saini, Navjot; Bhardwaj, Saurabh; Agarwal, 0 Ravinder] Thapar Inst Engr & Technol, Elect &	Web of Science
Detection Framework for Content-Bas	Singh, A; Kaur, M Arabian Journal For Science And	2020	25	[Singh, Amanpreet; Kaur, Maninder] Thapar Inst 0 Engr & Technol, Dept Comp Sci & Engr, Patiala,	Web of Science
Performance analysis of nyquist super	Goyal, S; Kaler, RS; Singh, H Optik	2020	25	[Goyal, S.; Singh, H.] Thapar Univ, Dept Elect & 0 Commun Engr, Patiala, Punjab, India; [Kaler, R. S.]	Web of Science
Binary whale optimization algorithm a	Kumar, V; Kumar, D Neural Computing & Applicator	2020	25	[Kumar, Vijay] Thapar Inst Engr & Technol, Comp 3 Sci & Engr Dept, Patiala, Punjab, India; [Kumar,	Web of Science
Design of active noise control system	Walia, R; Ghosh, S Neural Computing & Applicator	2020	25	[Walia, Ranjan; Ghosh, Smarajit] Thapar Inst Engr 1 & Technol, Dept Elect & Instrumentat Engr,	Web of Science
An enhanced moth flame optimizati	Kaur, K; Singh, U; Salgotra, R Neural Computing & Applicator	2020	25	[Kaur, Komalpreet; Singh, Urvinder; Salgotra, 2 Rohit] Thapar Univ, Dept ECE, Patiala, Punjab,	Web of Science
Voltage unbalance and harmonics con	Trivedi, A; Saroha, J International Transactions On El	2020	25	[Trivedi, Ashutosh] TIET, Elect & Instrumentat 0 Engr Dept, Patiala, Punjab, India; [Saroha, Jaipal]	Web of Science
Doping-induced disorder and conduct	Singh, DK; Bang, Y Physical Review B	2020	25	[Singh, Dheeraj Kumar] Thapar Inst Engr & 0 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
A New Uncertainty Measure of Discre	Li, YX; Garg, H; Deng, Y International Journal Of Fuzzy S	2020	25	[Li, Yangxue; Deng, Yong] Univ Elect Sci & Technol 9 China, Inst Fundamental & Frontier Sci, Chengdu	Web of Science
An Efficient R-Peak Detection Using Ri	Kaur, A; Kumar, S; Agarwal, A Circuits Systems And Signal Proc	2020	25	[Kaur, Amandeep; Kumar, Sanjay; Agarwal, 2 Alpana] Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Effective removal of Bisphenol A from	Jain, S; Ghosh, M International Journal Of Environ	2020	25	[Jain, S.; Ghosh, M.] Thapar Univ, Dept 0 Biotechnol, Patiala 147004, Punjab, India	Web of Science
Recent advances in computational stu	Kumar, M; Umezawa, N; Imai Japanese Journal Of Applied Phy	2020	25	[Kumar, Mukesh] Thapar Univ, Sch Phys & Mat 1 Sci, Patiala 147004, Punjab, India; [Umezawa,	Web of Science
Optimizing experimental binary adsor	Midda, MO; Srivastava, VC; Ki Journal Of Water Process Engine	2020	25	[Midda, Md Oayes; Srivastava, Vimal Chandra] 0 Indian Inst Technol Roorkee, Dept Chem Engr,	Web of Science
Review of perovskite-structure relat	Kaur, P; Singh, K Ceramics International	2020	25	[Kaur, Paramvir; Singh, K.] Thapar Inst Engr & 6 Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Preparation of novel porous ceramic r	Malik, N; Bulasara, VK; Basu, l Ceramics International	2020	25	[Malik, Nisha; Basu, Soumen] Thapar Univ, Sch 1 Chem & Biochem, Patiala 147004, Punjab, India;	Web of Science
Energy Management for Cyber-Physic	Kumar, N; Vasilakos, AV; Chor Future Generation Computer Sy	2020	25	[Kumar, Neeraj] Thapar Univ, Comp Sci & Engr 0 Dept, Patiala, Punjab, India; [Vasilakos,	Web of Science
Seismic Vulnerability Assessment and	Choudhury, T; Kumar, V; Rash Journal Of Performance Of Cons	2020	25	[Choudhury, Trishna] Thapar Inst Engr & Technol, 0 Dept Civil Engr, Patiala 147004, Punjab, India;	Web of Science
Efficient and Secure Anonymous Auth	Vijayakumar, P; Obaidat, MS; Ieee Transactions On Industrial I	2020	25	[Vijayakumar, Pandi] Univ Coll Engr Tindivanam, 2 Dept Comp Sci & Engr, Tindivanam 604001, Tamil	Web of Science

Machine learning-based screening of	Singh, V; Srivastava, V; Mehta	Optics And Laser Technology	2020	25	[Singh, Veena; Mehta, Dalip S.] Indian Inst Technol Delhi, Dept Phys, New Delhi 110016,	Web of Science
Design of Current Differencing Transc	Rai, SK; Pandey, R; Garg, B	Journal Of Circuits Systems And	2020	25	[Rai, Shireesh Kumar; Pandey, Rishikesh; Garg, Bharat] Thapar Inst Engn & Technol, ECED, Patiala	Web of Science
A novel trigonometric operation-base	Garg, H	Neural Computing & Applicator	2020	25	[Garg, Harish] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Ranking-based triplet loss function wi	Bhattacharya, J; Sharma, RK	Soft Computing	2020	25	[Bhattacharya, J.; Sharma, R. K.] Thapar Inst Engn & Technol, CSED, Patiala 147004, Punjab, India	Web of Science
Rheological properties and thermal cc	Nazki, MA; Chopra, T; Chandr	Construction And Building Mate	2020	25	[Nazki, Moeed Ahmad; Chopra, Tanuj; Chandrappa, Anush K.] Thapar Inst Engn &	Web of Science
A class-AB flipped voltage follower cel	Jindal, C; Pandey, R	International Journal Of Circuit 1	2020	25	[Jindal, Caffey; Pandey, Rishikesh] Thapar Inst Engn & Technol, Dept Elect & Commun Engn,	Web of Science
Analysis of susceptor temperature dur	Bansal, S; Gupta, D; Jain, V	Proceedings Of The Institution C	2020	25	[Bansal, Sandeep; Gupta, Dheeraj; Jain, Vivek] Thapar Inst Engn & Technol, Mech Engn Dept,	Web of Science
Love waves in a layer with void pores	Sharma, V; Goyal, R; Kumar, S	Journal Of The Brazilian Society	2020	25	[Sharma, Vikas] Lovely Profess Univ, Dept Math, Phagwara 144411, Punjab, India; [Goyal, Richa;	Web of Science
New Grounded and Floating Decreme	Gupta, S; Rai, SK	Wireless Personal Communicati	2020	25	[Gupta, Suchitra; Rai, Shireesh Kumar] Thapar Inst Engn & Technol, Dept Elect & Commun Engn,	Web of Science
Mehar approach for solving dual-hesit	Kumar, A; Appadoo, SS; Kaur, Sadhana	Academy Proceedings	2020	25	[Kumar, Pawan] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab, India; [Appadoo, S. S.] Univ	Web of Science
A Coordinated Framework of DG Alloc	Kumar, P; Ali, I; Thomas, MS;	Electric Power Components And	2020	25	[Kumar, Pawan] Thapar Inst Engn Technol, Elect & Instrumentat Engn Dept, Patiala 147004, Punjab,	Web of Science
A middleware approach for reliable re	Bharti, M; Saxena, S; Kumar, I	International Journal Of Commu	2020	25	[Bharti, Monika; Saxena, Sharad; Kumar, Rajesh] Thapar Univ, CSED, Patiala, India; Jaypee Univ	Web of Science
Capacity optimization of grid connecte	Singh, S; Chauhan, P; Singh, N	International Journal Of Hydrogi	2020	25	[Singh, Shakti; Chauhan, Prachi; Singh, NirbhawJap] Thapar Inst Engn & Technol, Patiala,	Web of Science
Comparative analysis on selection and	Chander, AH; Sahu, LK; Ghosh	let Power Electronics	2020	25	[Chander, Allamsetty Hema; Sahu, Lalit Kumar; Ghosh, Subhojit] Natl Inst Technol Raipur, Dept	Web of Science
Performance improvement of direct tr	Tatte, Y; Aware, M; Singh, AK	let Power Electronics	2020	25	[Tatte, Yogesh; Singh, Ankit Kumar] Thapar Inst Engn & Technol, EIED, Patiala, Punjab, India;	Web of Science
Multiple attribute decision making ba	Garg, H; Nancy	Journal Of Applied Mathematics	2020	25	[Garg, Harish] Deemed Univ, Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India;	Web of Science
In vivo evaluation of machining forces	Babbar, A; Jain, V; Gupta, D	Proceedings Of The Institution C	2020	25	[Babbar, Atul; Jain, Vivek; Gupta, Dheeraj] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala	Web of Science
DAIS: dynamic access and integration	Kumar, A; Bawa, S	Cluster Computing-The Journal (	2020	25	[Kumar, Ajay; Bawa, Seema] Thapar Inst Engn & Technol, Patiala, Punjab, India	Web of Science
Optimal control of infectious disease:	Kumar, A; Srivastava, PK; Don	Physica A-Statistical Mechanics ,	2020	25	[Kumar, Anuj] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India; [Srivastava,	Web of Science
Optical and magnetic properties of Dy	Jindal, S; Sharma, P	Materials Science In Semicondu	2020	25	[Jindal, Shivani; Sharma, Puneet] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Adsorptive interaction of ortho-pheny	Rathi, N; Kushwaha, JP; Singh	Environment Development And	2020	25	[Rathi, Neha] Thapar Inst Engn & Technol, Sch Chem & Biochem, Patiala, Punjab, India;	Web of Science
A ranking method based on possibility	Garai, T; Garg, H; Roy, TK	Journal Of Ambient Intelligence	2020	25	[Garai, Totan] Syamsundar Coll, Dept Math, Syamsundar 713424, W Bengal, India; [Garg,	Web of Science
Analysis of size dependency on Love-t	Sharma, V; Kumar, S	Mathematics And Mechanics Of	2020	25	[Sharma, Vanita; Kumar, Satish] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab,	Web of Science

Investigations for mechanical, thermal	Kumar, S; Singh, R; Singh, TP; Journal Of The Brazilian Society	2020	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar	Web of Science
Design and development of enhanced	Sah, BK; Singla, G; Sharma, S International Journal Of Rf And I	2020	25	2 Inst Engn & Technol, Dept Mech Engn, Patiala, [Sah, Bharat K.; Sharma, Surbhi] Thapar Inst Engn	Web of Science
Experimental and computational inve	Singhal, M; Singh, S; Singla, R Applied Thermal Engineering	2020	25	0 & Technol, Dept Elect & Commun Engn, Patiala [Singhal, Meenal; Goyal, Kavita] Thapar Inst Engn	Web of Science
Effect of variable oxidation states of N	Bhardwaj, S; Pal, B Journal Of Alloys And Compound	2020	25	0 & Technol, Sch Math, Patiala 147004, Punjab, [Bhardwaj, Sakshi; Pal, Bonamali] Thapar Inst	Web of Science
An Efficient Single-Stage Based Power	Singh, AK; Pathak, MK IETE Technical Review	2020	25	1 Engn & Technol, Sch Chem & Biochem, Patiala [Singh, Ankit Kumar] Thapar Inst Engn & Technol,	Web of Science
Ontology driven human activity recogni	Hooda, D; Rani, R Journal Of Ambient Intelligence	2020	25	0 Dept Elect & Instrumentat Engn, Patiala 147004, [Hooda, Diksha; Rani, Rinkle] Thapar Inst Engn &	Web of Science
Investigations on the strength of mecl	Kumar, M; Saini, JS; Bhunia, H Journal Of Mechanical Science A	2020	25	1 Technol, Dept Comp Sci & Engn, Patiala, Punjab, [Kumar, Mohit; Saini, J. S.] Thapar Inst Engn &	Web of Science
Development of emotion classifier ba	Singh, MI; Singh, M Transactions Of The Institute Of	2020	25	0 Tech, Mech Engn Dept, Patiala, Punjab, India; [Singh, Moon Inder; Singh, Mandeep] Thapar Inst	Web of Science
Modelling single and binary adsorptiv	Midda, MO; Srivastava, VC; K Physics And Chemistry Of Liquid	2020	25	0 Engn & Technol, Dept Elect & Instrumentat Engn, [Midda, Md Oayes; Srivastava, Vimal Chandra]	Web of Science
The impact of the predictive effect on	Kaur, D; Sharma, S European Physical Journal B	2020	25	1 Indian Inst Technol Roorkee, Dept Chem Engn, [Kaur, Daljeet; Sharma, Sapna] Thapar Inst Engn &	Web of Science
Multi-attribute group decision-making	Krishankumar, R; Ravichandr Neural Computing & Applicator	2020	25	1 Technol, Sch Math, Patiala 147004, Punjab, India [Krishankumar, R.; Ravichandran, K. S.; Shyam, V.;	Web of Science
BlockSDN: Blockchain-as-a-Service for	Aujla, GS; Singh, M; Bose, A; IEEE Network	2020	25	5 Sneha, S. V.] SASTRA Univ, Sch Comp, Thanjavur [Aujla, Gagangeet Singh] Newcastle Univ, Sch	Web of Science
Energy and Latency Aware Resource	Chamola, V; Hassija, V; Sikdar IEEE Network	2020	25	2 Comp, Newcastle Upon Tyne, Tyne & Wear, [Chamola, Vinay] BITS Pilani, Pilani, Rajasthan,	Web of Science
Optical Multi Input Multi Output signa	Gupta, R; Kaler, RS Optoelectronics And Advanced I	2020	25	0 India; [Hassija, Vikas] JIIT, Noida, India; [Sikdar, [Gupta, R.; Kaler, R. S.] Thapar Inst Engn &	Web of Science
Impact of core thickness and gate mis	Narula, V; Agarwal, M Semiconductor Science And Tec	2020	25	0 Technol, Dept Elect & Commun Engn, Patiala, [Narula, Vishal; Agarwal, Mohit] Thapar Inst Engn	Web of Science
A novel stand-alone proton battery-b	Oberoi, AS; Nijhawan, P Indian Journal Of Geo-Marine Sc	2020	25	0 & Technol, Dept Elect & Commun Engn, Patiala [Oberoi, Amandeep Singh] Thapar Inst Engn &	Web of Science
Performance investigation of an innov	Kumar, A; Bhatia, RS; Nijhawa Indian Journal Of Geo-Marine Sc	2020	25	0 Technol, Mech Engn Dept, Patiala, Punjab, India; [Kumar, Amit; Bhatia, R. S.] Natl Inst Technol,	Web of Science
Digital image forensic approach based	Singh, G; Singh, K Forensic Science International-D	2020	25	0 Dept Elect Engn, Kurukshetra, Haryana, India; [Singh, Gurinder; Singh, Kulbir] TIET, Dept Elect &	Web of Science
On Commuting Automorphisms of Sor	Garg, R; Gumber, D Mathematical Notes	2020	25	0 Commun Engn, Patiala, Punjab, India [Garg, R.; Gumber, D.] Thapar Inst Engn &	Web of Science
Software defined solutions for sensor	Lv, ZH; Kumar, N Computer Communications	2020	25	0 Technol, Sch Math, Patiala 147004, Punjab, India [Lv, Zhihan] Qingdao Univ, Sch Data Sci &	Web of Science
Device-to-device content caching tech	Prerna, D; Tekchandani, R; Ku Computer Communications	2020	25	0 Software Engn, Qingdao 266071, Peoples R China; [Prerna, Divya; Tekchandani, Rajkumar; Kumar,	Web of Science
Machine Learning Models for Secure	Gupta, R; Tanwar, S; Tyagi, S; Computer Communications	2020	25	2 Neeraj] Thapar Inst Engn & Technol, Dept Comp [Gupta, Rajesh; Tanwar, Sudeep] Nirma Univ, Inst	Web of Science
Convolutional neural networks for 5G	Sirohi, D; Kumar, N; Rana, PS Computer Communications	2020	25	10 Technol, Dept Comp Sci & Engn, Ahmadabad, [Sirohi, Deepika; Kumar, Neeraj; Rana, Prashant	Web of Science
				6 Singh] Thapar Inst Engn & Technol, Dept Comp Sci	Web of Science

A Provably Secure and Efficient Identity-Based Key Encapsulation Scheme	Jia, XY; He, DB; Kumar, N; Chellappan, S	IEEE Systems Journal	2020	25	[Jia, Xiaoying] South Cent Univ Nationalities, Sch Math & Stat, Wuhan 430073, Peoples R China; [Verma, Girraj Kumar] Hindustan Coll Sci & Technol, Dept Math, Mathura 281122, India;	Web of Science
CB-PS: An Efficient Short-Certificate-Based Key Encapsulation Scheme	Verma, GK; Singh, BB; Kumar, N; Chellappan, S	IEEE Systems Journal	2020	25	[Kaur, Kuljeet; Garg, Sahil] Univ Quebec, Ecole Technol Super, Elect Engr Dept, Montreal, PQ	Web of Science
An Adaptive Grid Frequency Support Method	Kaur, K; Garg, S; Kumar, N; Chellappan, S	IEEE Systems Journal	2020	25	[Kumar, Rajesh] Deemed Be Univ, Dept Elect & Instrumentat Engr, Thapar Inst Engr & Technol, [Modi, Shatrughan; Bhattacharya, Jhilik] Thapar	Web of Science
Externally Recurrent Neural Network for Energy Consumption Estimation	Kumar, R; Srivastava, S; Basu, A	Isla Transactions	2020	25	Inst Engr & Technol, Comp Sci & Engr Dept, [Li, Xiuju; Dutta, Debajyoti; Fliegel, Larry] Univ	Web of Science
Amino Acids 563-566 of the Na ⁺ /H ⁺ Exchanger	Li, XJ; Dutta, D; Jung, M; Zimm, B	International Journal Of Molecular Sciences	2020	25	Alberta, Dept Biochem, Edmonton, AB T6G 2H7, [Singh, Shakti; Chauhan, Prachi; Aftab, Mohd	Web of Science
Cost Optimization of a Stand-Alone Hybrid Energy System	Singh, S; Chauhan, P; Aftab, M	Energies	2020	25	1 Asim] Thapar Inst Engr & Technol, Elect & [Sonar, Santosh] Thapar Inst Engr & Technol,	Web of Science
A New Configuration of Three-Level Zigzag Sonar System	Sonar, S	Energies	2020	25	0 Elect & Instrumentat Engr Dept, Patiala 147004, [Kumar, Amit; Kansal, Ankush; Singh, Kulbir] TIET,	Web of Science
Anti-forensic approach for JPEG compressed images	Kumar, A; Kansal, A; Singh, K	Multimedia Tools And Applications	2020	25	0 Dept Elect & Commun Engr, Patiala, Punjab, India [Garg, Harish; Nancy] Deemed Univ, Thapar Inst	Web of Science
Linguistic single-valued neutrosophic logic	Garg, H; Nancy	IEEE-Caa Journal Of Automatica	2020	25	3 Engr & Technol, Sch Math, Patiala 147004, [Kaur, Gurpreet] Chandigarh Grp Coll, Elect &	Web of Science
Wavelength remodulation and dispersion in optical fibers	Kaur, G; Kaler, RS	Optik	2020	25	0 Commun Engr Dept, Landran, Mohali, India; [Singh, Iqbal; Luxami, Vijay; Paul, Kamaldeep]	Web of Science
Synthesis of naphthalimide-phenanthroline derivatives	Singh, I; Luxami, V; Paul, K	Bioorganic Chemistry	2020	25	1 Thapar Inst Engr & Technol, Sch Chem & [Sharma, Dipty; Singh, Paramjeet] Thapar Inst	Web of Science
Discontinuous Galerkin approximation for fluid flow	Sharma, D; Singh, P	International Journal Of Moderr	2020	25	0 Engr & Technol, Sch Math, Patiala 147004, [Kaur, Sukhandeep; Bawa, Seema; Kumar,	Web of Science
A survey of mono- and multi-lingual classification methods	Kaur, S; Bawa, S; Kumar, R	Artificial Intelligence Review	2020	25	0 Ravinder] Thapar Inst Engr & Technol, Patiala, [Kumar, Munish] Maharaja Ranjit Singh Punjab	Web of Science
Performance evaluation of classifiers for handwritten digit recognition	Kumar, M; Jindal, MK; Sharma, A	Artificial Intelligence Review	2020	25	0 Tech Univ, Dept Computat Sci, Bathinda, PB, [Wazid, Mohammad; Das, Ashok Kumar] Int Inst	Web of Science
Secure Remote User Authentication Protocol	Wazid, M; Das, AK; Odelu, V; Chellappan, S	IEEE Transactions On Dependab	2020	25	41 Informat Technol, Ctr Secur Theory & Algorithm [Soni, Pramod Kumar; Rajpal, Navin] Guru Gobind	Web of Science
Semiautomatic Road Extraction Framework	Soni, PK; Rajpal, N; Mehta, R	Journal Of The Indian Society Of	2020	25	1 Singh Indraprastha Univ, Univ Sch Informat [Aggarwal, Ashish; Agarwal, Ravinder] Thapar Inst	Web of Science
Uncertainty Assessment in Cognitive Map	Aggarwal, A; Agarwal, R	Mapan-Journal Of Metrology So	2020	25	0 Engr & Technol, Elect & Instrumentat Engr Dept, [Singh, Sachin] Thapar Inst Engr & Technol, Dept	Web of Science
Development and Rheological Characterization of Nanocomposites	Singh, S; Sankar, MR	Defence Science Journal	2020	25	0 Mech Engr, Patiala 147004, Punjab, India; [Arora, Deepti] Swami Vivekanand Subharti Univ,	Web of Science
Effect of Machining Parameters on Surface Integrity	Arora, D; Duvedi, RK; Singh, D	Journal Of Scientific & Industrial	2020	25	0 Dept Mech Engr, Subharti Inst Technol & Engr, [Sidhu, Ramneek; Rai, Mayank Kumar] Thapar Inst	Web of Science
Temperature-dependent crosstalk between neurons	Sidhu, R; Rai, MK; Kaushik, BK	Journal Of Computational Electr	2020	25	1 Engr & Technol, Dept Elect & Commun Engr, [Akram, Muhammad; Ilyas, Farwa] Univ Punjab,	Web of Science
Multi-criteria group decisionmaking based on fuzzy logic	Akram, M; Ilyas, F; Garg, H	Soft Computing	2020	25	23 Dept Math, New Campus, Lahore 4590, Pakistan; [Kumar, Abhimanyu; Ganguli, Souvik] Thapar Inst	Web of Science
A new method to realize nonrational transfer functions	Kumar, A; Ganguli, S	International Journal Of Circuit	2020	25	0 Engr, Dept Elect, Technology, Instrumentat Engr,	Web of Science

Reduced graphene oxide (RGO) induced	Shah, S; Pandey, OP; Moham	Journal Of Sol-Gel Science And T	2020	25	[Shah, S.; Mohammed, J.; Srivastava, A. K.; Basandrai, D.] Lovely Profess Univ, Sch Chem	Web of Science
BER Performance of SFBC-OFDM System	Kohli, AK; Kapoor, DS	Arabian Journal For Science And	2020	25	[Kohli, Amit Kumar; Kapoor, Divneet Singh] Thapar Inst Engn, Dept Elect, Commun Engn,	Web of Science
Robust Averaging-Geometric Aggregation	Garg, H; Rani, D	Arabian Journal For Science And	2020	25	[Garg, Harish; Rani, Dimple] Deemed Univ, Thapar Inst Engn, Sch Math, Technology, Patiala 147004,	Web of Science
Power Geometric Aggregation Operation	Garg, H; Kumar, K	Arabian Journal For Science And	2020	25	[Garg, Harish; Kumar, Kamal] Deemed Univ, Thapar Inst Engn, Sch Math, Technology, Patiala	Web of Science
Residence time distribution measurement	Goswami, S; Pant, HJ; Sheorai	Journal Of Radioanalytical And N	2020	25	[Goswami, Sunil; Pant, Harish Jagat; Sharma, Vijay Kumar] Bhabha At Res Centre, Radiat Applct Div,	Web of Science
Nanoscale Properties of Dysprosium-L	Aggarwal, N; Vasishth, A; Kau	Journal Of Superconductivity An	2020	25	[Aggarwal, Nupur] Maharishi Markandeshwar Univ, Dept Phys, Sadopur, Ambala, India;	Web of Science
Understanding the microstructural evolution	Anupam, A; Kottada, RS; Kash	Applied Surface Science	2020	25	[Anupam, Aameey; Kottada, Ravi Sankar; Kashyap, Sanjay; Murty, B. S.] Indian Inst Technol Madras,	Web of Science
Guest Editorial: Special Section on Intelligent	Zomaya, AY; Kumar, N; Rodríguez	IEEE Transactions On Industrial I	2020	25	[Zomaya, A. Y.] Univ Sydney, Sydney, NSW 2006, Australia; [Kumar, N.] Thapar Inst Engn & Technol	Web of Science
Open-Switch Fault Tolerance Capability	Dewangan, NK; Bhatnagar, P;	Iranian Journal Of Science And T	2020	25	[Dewangan, Niraj Kumar; Gupta, Shubhrata] Natl Inst Technol Raipur, Dept Elect Engn, Raipur,	Web of Science
A comparative review of meta-heuristic	Kumar, A; Bawa, S	Soft Computing	2020	25	[Kumar, Ajay; Bawa, Seema] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala, Punjab,	Web of Science
Statistical vertical reduction-based data	Garg, S; Singh, R; Obaidat, MS	International Journal Of Commu	2020	25	[Garg, Sheetal; Singh, Raman; Bhalla, Vinod Kumar] Thapar Inst Engn & Technol, Patiala,	Web of Science
A novel analytical model for interferer	Singh, SP; Kumar, A; Mishra, S	International Journal Of Commu	2020	25	[Singh, S. Pratap; Lakshmanan, M.] Galgotias Coll Engn & Technol, Dept Elect & Commun Engn,	Web of Science
Deciphering the interaction of solvent	Kainth, S; Maity, B; Basu, S	Materials Science & Engineering	2020	25	[Kainth, Shagun; Maity, Banibrata; Basu, Soumen] Thapar Inst Engn & Technol, Sch Chem &	Web of Science
Visible-light-induced enhanced photo	Dashairya, L; Mehta, A; Saha,	Journal Of Colloid And Interface	2020	25	[Dashairya, Love; Saha, Partha] Natl Inst Technol, Dept Ceram Engn, Rourkela 769008, Odisha,	Web of Science
Effect of MnO on structural, optical and	Kaur, A; Khan, S; Kumar, D; B	Journal Of Luminescence	2020	25	[Kaur, Amardeep; Kumar, Dinesh; Bhatia, Vijeta; Rao, S. M.; Singh, Supreet Pal] Punjabi Univ, Dept	Web of Science
A multi-stage anomaly detection scheme	Garg, S; Kaur, K; Batra, S; Kad	Future Generation Computer Sy	2020	25	[Garg, Sahil; Kaur, Kuljeet; Kaddoum, Georges] Univ Quebec, Ecole Technol Super, Elect Engn	Web of Science
Power Quality Enhancement Using Evolutionary	Badoni, M; Singh, A; Singh, B	IEEE Transactions On Industrial I	2020	25	[Badoni, Manoj] Thapar Inst Engn & Technol, Dept Elect & Instrumentat Engn, Patiala 147003,	Web of Science
SoTaRePo: Society-Tag Relationship Prediction	Goel, S; Kumar, R	Expert Systems With Applicator	2020	25	[Goel, Shubham; Kumar, Ravinder] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala,	Web of Science
New grounded and floating memristor	Yadav, N; Rai, SK; Pandey, R	International Journal Of Circuit T	2020	25	[Yadav, Nisha; Rai, Shireesh Kumar; Pandey, Rishikesh] Thapar Inst Engn & Technol, ECED,	Web of Science
Application of fuzzy-genetic and regular	Saggi, MK; Jain, S	Agricultural Water Management	2020	25	[Saggi, Mandeep Kaur; Jain, Sushma] Thapar Inst Engn & Technol, Dept Comp Sci, Patiala, Punjab,	Web of Science
Order reduction mechanism for large-scale	Tiwari, SK; Samant, P; Shinhm	Sadhana-Academy Proceedings	2020	25	[Tiwari, Sharad Kumar; Samant, Piyush; Kaur, Gagandeep] Thapar Inst Engn & Technol, Patiala,	Web of Science
Comparative post-yield performance of	Yadav, D; Kwatra, N; Agarwal,	Structure And Infrastructure Eng	2020	25	[Yadav, Divyashree; Kwatra, Naveen] Thapar Inst Engn Technol, Dept Civil Engn, Patiala 147001,	Web of Science
On investigations of thermal conductivity	Kumar, S; Singh, R; Singh, TP;	Journal Of Thermoplastic Compo	2020	25	[Kumar, Sudhir; Singh, T. P.; Batish, Ajay] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala,	Web of Science

Analysis of behavior of bare and in-fill Sandhu, B; Sharma, S; Kwatra Structural Engineering And Mech	2020	25	[Sandhu, Balvir; Sharma, Shruti; Kwatra, Naveen]	0 Thapar Univ, Dept Civil Engr, Patiala 147004,	Web of Science
A review on solar forecasting and pow Sharma, A; Kakkar, A International Journal Of Commu	2020	25	[Sharma, Amandeep] Chandigarh Univ, Elect &	0 Commun Engr, Mohali, India; [Kakkar, Ajay]	Web of Science
Foam mat drying of papaya using micr Qadri, OS; Osama, K; Srivasta Journal Of Food Process Enginee	2020	25	[Qadri, Ovais S.] Thapar Inst Engr & Technol, Dept	0 Biotechnol, Patiala, Punjab, India; [Qadri, Ovais S.;	Web of Science
Effect of hydrogen-enriched biogas in Roshia, P; Ibrahim, H; Nanda, . Asia-Pacific Journal Of Chemical	2020	25	[Roshia, Pali; Dhir, Amit] Thapar Inst Engr &	0 Technol, Sch Energy & Environm, Patiala 147004,	Web of Science
Evaluation of the Performance of Sear Ullah, K; Mahmood, T; Garg, I International Journal Of Fuzzy Sy	2020	25	[Ullah, Kifayat; Mahmood, Tahir] Int Islamic Univ,	1 Dept Math & Stat, Islamabad 44000, Pakistan;	Web of Science
An efficient bi-layer content based im Singh, S; Batra, S Multimedia Tools And Applicati	2020	25	[Singh, Sachendra; Batra, Shalini] Thapar Inst	2 Engr & Technol, Dept Comp Sci & Engr, Patiala,	Web of Science
Vertex rough graphs Mathew, B; John, SJ; Garg, H Complex & Intelligent Systems	2020	25	[Mathew, Bibin; John, Sunil Jacob] Natl Inst	0 Technol, Dept Math, Calicut, Kerala, India; [Garg,	Web of Science
Computation of electroconductive gyr Aneja, M; Sharma, S; Kuharat International Journal Of Moderr	2020	25	[Aneja, Madhu; Sharma, Sapna] Thapar Inst Engr	0 & Technol, Sch Math, Patiala 147004, Punjab,	Web of Science
On mechanical and surface properties Sharma, R; Singh, R; Batish, A Journal Of Thermoplastic Comp	2020	25	[Sharma, Ravinder; Batish, Ajay] Thapar Inst Engr	1 & Technol, Dept Mech Engr, Patiala, Punjab,	Web of Science
Lithium Zirconate as a Selective and C Kaur, A; Ali, A Industrial & Engineering Chemis	2020	25	[Kaur, Avneet; Ali, Amjad] Thapar Inst Engr &	1 Technol, Sch Chem & Biochem, Patiala 147004,	Web of Science
Experimental analysis of magnetorhec Sirwal, SA; Singh, AK; Paswan, Journal Of The Brazilian Society	2020	25	[Sirwal, Sohaib Ahmad; Singh, Anant Kumar;	0 Paswan, Sunil Kumar] Thapar Inst Engr & Technol,	Web of Science
Controlled diode bridge clamped thre Singh, S; Sonar, S Epe Journal	2020	25	[Singh, Satwant; Sonar, Santosh] Thapar Inst Engr	0 & Technol, Dept Elect & Instrumentat Engr,	Web of Science
A study of energy loss due to particle t Sharma, K; Mallick, SS; Mittal, Powder Technology	2020	25	[Sharma, Kapil; Mallick, S. S.; Mittal, Anu] Thapar	0 Inst Engr & Technol, Dept Mech Engr, Lab	Web of Science
Voxel-based 3D face reconstruction ar Sharma, S; Kumar, V Multimedia Tools And Applicati	2020	25	[Sharma, Sahil] Thapar Inst Engr & Technol, Comp	0 Sci & Engr Dept, Patiala, Punjab, India; [Kumar,	Web of Science
Time fractional (2+1)-dimensional Wu Kaur, B; Gupta, RK Computers & Mathematics With	2020	25	[Kaur, Bikramjeet] Thapar Inst Engr & Technol,	0 Sch Math, Patiala 147004, Punjab, India; [Gupta,	Web of Science
Influence of heat treatment on spectri Kaur, S; Pandey, OP; Jayasank Journal Of Non-Crystalline Solid:	2020	25	[Kaur, Sandeep; Chopra, Neetu] Konya Maha	1 Vidyalaya, Dept Phys, Jalandhar, Punjab, India;	Web of Science
Strategically designed reduced graphe Kapoor, S; Kumar, V; Tikoo, KI Ceramics International	2020	25	[Kapoor, Surbhi; Goel, Neetu; Singhal, Sonal]	2 Panjab Univ, Dept Chem, Chandigarh 160014,	Web of Science
Chemodosimeters for optical detectio Dhiman, S; Ahmad, M; Singla, Coordination Chemistry Review:	2020	25	[Dhiman, Sukhvinder; Ahmad, Manzoor; Singla,	3 Nancy, Singh, Prabhpreet; Kumar, Subodh] Guru	Web of Science
Plug flow approaching novel reactor e Talwar, S; Verma, AK; Sangal, Chemical Engineering Journal	2020	25	[Talwar, Steffi] Thapar Inst Engr & Technol, Dept	2 Chem Engr, Patiala, Punjab, India; [Verma, Anoop	Web of Science
A semi-homogenized extended isogeo Bhardwaj, G; Godara, RK; Kha Proceedings Of The Institution C	2020	25	[Bhardwaj, G.; Godara, R. K.; Khanna, Kishore;	0 Patil, R. U.] Thapar Univ, Thapar Inst Engr &	Web of Science
The mean operators and generalized Petchimuthu, S; Garg, H; Kam Computational & Applied Mathe	2020	25	[Petchimuthu, Subramanian] Univ Coll Engr, Dept	3 Math, Nagercoil 629004, Tamil Nadu, India; [Garg,	Web of Science
Thermal kinetics involved during the s Sharma, P; Pandey, OP Journal Of Thermal Analysis And	2020	25	[Sharma, Piyush; Pandey, O. P.] Thapar Inst Engr	0 & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
A novel deep neural networks based P Joshi, U; Kumar, R Cluster Computing-The Journal C	2020	25	[Joshi, Upasna; Kumar, Rajiv] Thapar Inst Engr &	0 Technol, Comp Sci & Engr Dept, Patiala, Punjab,	Web of Science

SecBCS: a secure and privacy-preserv	Lin, C; He, DB; Zeadally, S; Kui	Science China-Information Scien	2020	25	[Lin, Chao; He, Debiao] Wuhan Univ, Sch Cyber Sci & Engr, Minist Educ, Key Lab Aerosp Informat	Web of Science
A 3-D printed square loop frequency s	Singh, D; Yadav, RP	Journal Of Electromagnetic Wav	2020	25	[Singh, Deepika; Yadav, Rana Pratap] Thapar Inst Engr & Technol, Dept ECE, Patiala, Punjab, India	Web of Science
Quantum and dual-tree complex wave	Ghai, D; Gianey, HK; Jain, A; U	International Journal Of Moderr	2020	25	[Ghai, Deepika] Lovely Profess Univ, Jalandhar, Punjab, India; [Gianey, Hemant Kumar] Thapar	Web of Science
Investigations of the mechanical prop	Saini, JS; Dowling, L; Kennedy	Proceedings Of The Institution C	2020	25	[Saini, J. S.] Thapar Inst Engr & Technol, Dept Mech Engr, Bhupindra Rd, Patiala 147004,	Web of Science
Improved performance of a nanorefri	Kundan, L; Sing, K	Proceedings Of The Institution C	2020	25	[Kundan, Lal] Thapar Univ, Thapar Inst Engr & Technol, Mech Engr Dept, Patiala 147004, Punjab,	Web of Science
Unraveling the Mechanism of Functio	Bhattacharya, M; Giri, A; Kau	Biophysical Journal	2020	25	[Bhattacharya, Mily; Giri, Anjali; Kaur, Jaspreet] Thapar Inst Engr & Technol, Sch Chem &	Web of Science
In vitro comparison of conventional st	Gupta, V; Singh, RP; Pandey, I	Proceedings Of The Institution C	2020	25	[Gupta, Vishal] Thapar Inst Engr & Technol, Mech Engr Dept, Patiala 147004, Punjab, India; [Singh,	Web of Science
Cluster radioactivity within the collect	Virk, NK; Kumar, R; Sharma, N	European Physical Journal A	2020	25	[Virk, Navjot Kaur; Kumar, Raj; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci,	Web of Science
State-of-the-Art Segmentation Techni	Kaur, A; Kaur, L; Singh, A	Archives Of Computational Metl	2020	25	[Kaur, Amrita; Kaur, Lakhwinder] Punjabi Univ, Comp Sci & Engr Dept, Patiala 147001, Punjab,	Web of Science
Deep-Learning-Based Small Surface Di	Lian, J; Jia, WK; Zareapoor, M	Ieee Transactions On Industrial I	2020	25	[Lian, Jian; Jia, Weikuan; Zheng, Yuanjie] Shandong Normal Univ, Sch Informat Sci & Engr,	Web of Science
Deep-Learning-Based Small Surface Di	Lian, J; Jia, WK; Zareapoor, M	Ieee Transactions On Industrial I	2020	25	[Lian, Jian; Jia, Weikuan; Zheng, Yuanjie] Shandong Normal Univ, Sch Informat Sci & Engr,	Web of Science
Capture and fission analysis of various	Kaur, G; Sharma, MK	Communications In Theoretical I	2020	25	[Kaur, Gurjit; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala 147004,	Web of Science
Effective utilization of F-type bottom	Kishor, C; Kumar, S; Sharma, S	Energy Sources Part A-Recovery	2020	25	[Kishor, Chandan; Sharma, Sumeet; Singh, Anil Kumar] Thapar Inst Engr & Technol, Dept Mech	Web of Science
A review on MXene for energy storage	Garg, R; Agarwal, A; Agarwal,	Materials Research Express	2020	25	[Garg, Ruby; Agarwal, Alpana; Agarwal, Mohit] Thapar Inst Engr & Technol, Dept Elect &	Web of Science
Effect of process parameters and VC c	Kumar, D; Singh, K	Indian Journal Of Engineering Ar	2020	25	[Kumar, Devender] Thapar Inst Engr & Technol Patiala, Mech Engr Dept, Patiala 147004, Punjab,	Web of Science
An ecofriendly route to synthesize C-N	Mir, RA; Pandey, OP	Sustainable Energy & Fuels	2020	25	[Mir, Rameez Ahmad; Pandey, O. P.] Thapar Inst Engr & Technol, SPMS, Patiala 147004, Punjab,	Web of Science
An Efficient Accuracy Reconfigurable	Patel, SK; Garg, B; Rai, SK	Journal Of Electronic Testing-Th	2020	25	[Patel, Sujit Kumar; Garg, Bharat; Rai, Shireesh Kumar] Thapar Inst Engr & Technol, ECE Dept,	Web of Science
HomeChain: A Blockchain-Based Secu	Lin, C; He, DB; Kumar, N; Hua	Ieee Internet Of Things Journal	2020	25	[Lin, Chao] Wuhan Univ, Sch Cyber Sci & Engr, Wuhan 430072, Peoples R China; [Lin, Chao] Peng	Web of Science
Phase-Bistability and phase-locking p	Pradhan, R; Choudhary, A; Sa	Optik	2020	25	[Pradhan, R.; Samanta, S. K.] Midnapore Coll, Dept Phys, Midnapore 721101, India; [Choudhary,	Web of Science
Luminescent studies of Eu doped ZnAl	Priya, R; Negi, A; Singla, S; Par	Optik	2020	25	[Priya, Ruby; Singla, Shivani; Pandey, O. P.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala	Web of Science
Innovative approach of in-situ fixed m	Sharma, K; Talwar, S; Verma,	Korean Journal Of Chemical Eng	2020	25	[Sharma, Kritika; Choudhury, Diptiman] Thapar Inst Engr & Technol, Sch Chem & Biochem,	Web of Science
Application of mixed metal oxide anoc	Singla, J; Sangal, VK; Singh, A;	Journal Of Environmental Mana	2020	25	[Singla, Jayishnu; Verma, Anoop] Thapar Inst Engr & Technol, Sch Energy & Environm, Patiala,	Web of Science
Walking Model of Jansen Mechanism-	Singh, R; Bera, TK	Arabian Journal For Science And	2020	25	[Singh, R.; Bera, T. K.] Thapar Inst Engr & Technol, Mech Engr Dept, Patiala 147004, Punjab, India	Web of Science

Moisture Absorption in Fibre Matrix L: Vats, S; Bera, TK; Jain, D	Arabian Journal For Science And	2020	25	[Vats, S.; Bera, T. K.; Jain, D.] Thapar Inst Engr & Technol, Mech Engr Dept, Patiala 147004, Punjab, India	Web of Science
Blockchain for Internet of Energy man Miglani, A; Kumar, N; Chamol Computer Communications		2020	25	[Miglani, Arzoo] Thapar Inst Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Inactivation of E. coli in water employi Thakur, I; Ormeci, B; Verma, / Journal Of Water Process Engine		2020	25	[Thakur, Ina; Verma, Anoop] Thapar Inst Engr & Technol, Sch Energy & Environm, Patiala 147004, Punjab, India	Web of Science
Correlation coefficients for T-spherica Ullah, K; Garg, H; Mahmood, / Soft Computing		2020	25	[Ullah, Kifayat; Mahmood, Tahir; Jan, Naeem; Ali, Zeeshan] Int Islamic Univ Islamabad, Dept Math & Phys, Islamabad, Pakistan	Web of Science
Quantifying gesture information in br: Garg, H; Kaur, G Computers & Industrial Enginee		2020	25	[Garg, Harish; Kaur, Gagandeep] Deemed Univ, Thapar Inst Engr & Technol, Sch Math, Patiala, Punjab, India	Web of Science
A robust genetic transformation proto Kaur, A; Guleria, S; Reddy, MS Physiology And Molecular Biolo		2020	25	[Kaur, Amanpreet; Guleria, Shivani; Reddy, M. Sudhakara; Kumar, Anil] Thapar Inst Engr, Centre For Biotechnology, Patiala, Punjab, India	Web of Science
Direct shoot organogenesis from leaf r Sharma, S; Reddy, MS; Kumar Physiology And Molecular Biolo		2020	25	[Sharma, Saloni; Reddy, M. S.; Kumar, Anil] Thapar Inst Engr, Centre Relevance, Dept Of Biotechnology, Patiala, Punjab, India	Web of Science
In-situ simultaneous surface finishing Baraiya, R; Babbar, A; Jain, V; Journal Of Manufacturing Proce		2020	25	[Baraiya, Rajendra; Babbar, Atul; Jain, Vivek; Gupta, Dheeraj] Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Complete removal of endocrine disru: Aanchal; Barman, S; Basu, S Chemosphere		2020	25	[Aanchal; Basu, Soumen] Thapar Inst Engr & Technol, Sch Chem & Biochem, Patiala 147004, Punjab, India	Web of Science
FIS and hybrid ABC-PSO based optima Sharma, S; Ghosh, S Journal Of Ambient Intelligence		2020	25	[Sharma, Sarika] Govt Polytech Coll, Dept Elect Engr, Ambala City 134003, Haryana, India	Web of Science
Influence of variable temperature on J Jindal, PK; Sandha, KS Journal Of Materials Science-Ma		2020	25	[Jindal, Pardeep Kumar; Sandha, Karmjit Singh] Deemed Be Univ, Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Synthesis of intense red light-emitting Priya, R; Khurana, I; Pandey, (Journal Of Materials Science-Ma		2020	25	[Priya, Ruby; Khurana, Ishita; Pandey, Om Prakash] Thapar Inst Engr & Technol, Sch Phys & Chem, Patiala, Punjab, India	Web of Science
Structural and Magnetic Properties of Parmar, C; Parmar, GS Journal Of Superconductivity An		2020	25	[Parmar, Chandni; Parmar, Gurkirpal Singh] Thapar Inst Engr & Technol, Patiala 147004, Punjab, India	Web of Science
Effect of Sintering Additives on Structt Singh, AP; Pandey, OP; Sharm Journal Of Superconductivity An		2020	25	[Singh, Anoop Pratap; Pandey, O. P.; Sharma, Puneet] Thapar Inst Engr & Technol, Sch Phys & Chem, Patiala, Punjab, India	Web of Science
Amine derivative of triphenyl ether as Gupta, S; Chhibber, M; Mittal Journal Of Applied Electrochemi		2020	25	[Gupta, Shivali; Chhibber, Manmohan; Mittal, Susheel K.] Thapar Inst Engr, Sch Chem, Biochem, Patiala, Punjab, India	Web of Science
Sandpiper optimization algorithm: a n Kaur, A; Jain, S; Goel, S Applied Intelligence		2020	25	[Kaur, Amandeep; Jain, Sushma] Thapar Inst Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Relevance of Skyrme forces in the dec Sharma, I; Sharma, MK Nuclear Physics A		2020	25	[Sharma, Ishita; Sharma, Manoj K.] Thapar Inst Engr & Technol, Sch Phys & Mat Sci, Patiala, Punjab, India	Web of Science
Computational evaluation of effective Singh, G; Kumar, N; Avti, PK International Journal Of Heat Ar		2020	25	[Singh, Gurmeet; Kumar, Neeraj] Thapar Inst Engr & Technol, Dept Mech Engr, Patiala 147004, Punjab, India	Web of Science
Security of vehicular ad-hoc networks Malhi, AK; Batra, S; Pannu, H Computers & Security		2020	25	[Malhi, Avleen Kaur; Batra, Shalini; Pannu, Husanbir Singh] CSED Thapar Inst Engr & Technol, Patiala, Punjab, India	Web of Science
Improvement in prediction of antigeni Khanna, D; Rana, PS let Systems Biology		2020	25	[Khanna, Divya; Rana, Prashant Singh] Thapar Inst Engr & Technol, Comp Sci & Engr Dept, Patiala, Punjab, India	Web of Science
Ensembled machine learning framewc Sharma, A; Rani, R let Systems Biology		2020	25	[Sharma, Aman; Rani, Rinkle] TIET, CSED, Patiala, Punjab, India	Web of Science
Non-polynomial framework for static : Soni, A; Grover, N; Bhardwaj, Composite Structures		2020	25	[Soni, Aakash; Grover, Neeraj; Bhardwaj, Gagandeep] Thapar Inst Engr & Technol, Dept Of Mechanical Engr, Patiala, Punjab, India	Web of Science
A new two-lane lattice model by consi Kaur, D; Sharma, S Physica A-Statistical Mechanics		2020	25	[Kaur, Daljeet; Sharma, Sapna] Thapar Inst Engr & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science

An investigation on the phase purity of Srivastava, RP; Ingole, S	Materials Science In Semiconductors	2020	25	[Srivastava, Ravi P.; Ingole, Sarang] Indian Institute of Technology, Dept Mat Sci & Engrg, Lab Photovoltaics & Energy Conversion, Patiala, Punjab, India;	Web of Science
Arsenic toxicity and its mitigation in water	Chemosphere	2020	25	[Khullar, Shikha; Reddy, M. Sudhakara] Thapar Institute of Engineering & Technology, Dept Biotechnology, Bhadson Road, Patiala, Punjab, India;	Web of Science
A curvelet method for numerical solution of partial differential equations	Applied Numerical Mathematics	2020	25	[Sharma, Deepika; Goyal, Kavita] Thapar Institute of Engineering & Technology, Sch Math, Patiala, Punjab, India;	Web of Science
Using Diaminomethanal as an Entrainer for the Extraction of Organic Compounds from Aqueous Solutions	Journal Of Solution Chemistry	2020	25	[Kataria, Rajat; Jain, Tarun; Singh, Neetu; Kushwaha, Jai Prakash; Sharma, Bandhana] Thapar Institute of Engineering & Technology, Dept Chem, Patiala, Punjab, India;	Web of Science
Experimental and Computational Investigation of the Synthesis of New Polymeric Materials	Asian Journal Of Organic Chemistry	2020	25	[Goyal, Shagun; Budhiraja, Meenakshi; Mandal, Debashish; Tyagi, Vikas] Thapar Institute of Engineering & Technology, Dept Chem, Patiala, Punjab, India;	Web of Science
Composition dependent magnetic and electrical properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles	Journal Of Alloys And Compounds	2020	25	[Pahwa, Chhavi; Sharma, Puneet] Thapar Institute of Engineering & Technology, Sch Phys & Mat Sci, Patiala, Punjab, India;	Web of Science
Dark Web: A Web of Crimes	Wireless Personal Communications	2020	25	[Kaur, S; Randhawa, S] Thapar Institute of Engineering & Technology, Comp Sci & Engrg, Patiala, Punjab, India;	Web of Science
Metatranscriptomics: an approach for identifying differentially expressed genes in cancer	3 Biotech	2020	25	[Mukherjee, A; Reddy, MS] Thapar Institute of Engineering & Technology, Dept Biotechnology, Patiala, Punjab, India;	Web of Science
Efficient content retrieval in fog zone using distributed hash table	Concurrency And Computation	2020	25	[Singh, SP; Kumar, R; Sharma, M] Thapar Institute of Engineering & Technology, Comp Sci & Engrg Dept, Patiala, Punjab, India;	Web of Science
An improved block based copy-move forgery detection algorithm	Multimedia Tools And Applications	2020	25	[Priyanka; Singh, G; Singh, K] Thapar Institute of Engineering & Technology, Dept Elect & Commun, Patiala, Punjab, India;	Web of Science
Structural, optical, thermal and conductive properties of ZnO nanoparticles	Scientific Reports	2020	25	[Khan, Savidh; Singh, K.] Thapar Institute of Engineering & Technology, Sch Phys & Mat Sci, Patiala 147004, Punjab, India;	Web of Science
Position analysis of brushless direct current motor	Assembly Automation	2020	25	[Hans, Sikander; Ghosh, Smarajit] Thapar Institute of Engineering & Technology, Dept Elect & Instrumentation Engrg, Patiala, Punjab, India;	Web of Science
Image and Video Forensics: A Critical Review	Wireless Personal Communications	2020	25	[Kaur, Harpreet; Jindal, Neeru] Thapar Institute of Engineering & Technology, ECED, Patiala, Punjab, India;	Web of Science
Interactions of a multifunctional di-tertiary amine with metal ions	Physical Chemistry Chemical Physics	2020	25	[Kaur, A; Shuaib, S; Goyal, D; G] Thapar Institute of Engineering & Technology, Dept Chem, Patiala, Punjab, India;	Web of Science
Design and analysis of a compact ultra-thin waveguide	Microwave And Optical Technology Letters	2020	25	[Kaur, Manpreet; Singh, Hari Shankar] Thapar Institute of Engineering & Technology, Dept Elect & Commun Engrg, Patiala, Punjab, India;	Web of Science
Novel similarity measure-based random forest algorithm for image classification	Modern Physics Letters B	2020	25	[Kaur, Harinder] Sri Guru Granth Sahib World University, Dept Math, Fatehgarh Sahib, Punjab, India;	Web of Science
Cellulase Immobilization onto Magnetic Nanoparticles for the Degradation of Cellulose	Acs Sustainable Chemistry & Engineering	2020	25	[Sillu, Devendra; Agnihotri, Shekhar] Thapar Institute of Engineering & Technology, Dept Biotechnology, Bhadson Road, Patiala, Punjab, India;	Web of Science
Machine learning ensemble for neurodegenerative disease classification	Neural Computing & Applications	2020	25	[Kaur, H; Malhi, AK; Pannu, HS] Thapar University, Comp Sci & Engrg, Patiala, Punjab, India;	Web of Science
Base-Mediated Reductive Coupling of Ketones with Aldehydes	ChemistrySelect	2020	25	[Khan, Imran; Sharma, Aanchal; Kamboj, Priya; Maity, Banibrata; Tyagi, Vikas] Thapar Institute of Engineering & Technology, Dept Chem, Patiala, Punjab, India;	Web of Science
Highly reusable visible light active hierarchical porous ZnO nanoparticles for photocatalytic degradation of organic dyes	Separation And Purification Technology	2020	25	[Sharma, Surbhi; Basu, Soumen] Thapar Institute of Engineering & Technology, Sch Chem & Biochem, Patiala 147004, Punjab, India;	Web of Science
Trust management in social networks using fuzzy logic	Computer Communications	2020	25	[Chahal, Rajanpreet Kaur; Kumar, Neeraj; Batra, Shalini] Thapar Institute of Engineering & Technology, Patiala, Punjab, India;	Web of Science
Dynamic pricing techniques for intelligent transportation systems	Computer Communications	2020	25	[Saharan, Sandeep; Bawa, Seema; Kumar, Neeraj] Thapar Institute of Engineering & Technology, Dept Comp Sci & Engrg, Patiala, Punjab, India;	Web of Science
Photo-induced oxidation and reduction of organic dyes using ZnO nanoparticles	Solar Energy	2020	25	[Aulakh, Manpreet Kaur; Sharma, Rudra; Pal, Bonamali; Prakash, Ranjana] Thapar Institute of Engineering & Technology, Dept Chem, Patiala, Punjab, India;	Web of Science

Lubricated tribology of hybrid AMMC-	Singh, H; Bhowmick, H	Proceedings Of The Institution C	2020	25	[Singh, H.; Bhowmick, H.] Thapar Inst Engn & Technol, Dept Mech Engn, Patiala 147004, Punjab,	Web of Science
Biomass as a sustainable resource for	Sharma, G; Kaur, M; Punj, S; S	Biofuels Bioproducts & Biorefini	2020	25	[Sharma, Gaurav; Kaur, Manmeet; Punj, Shivani; Singh, Kulvir] Thapar Inst Engn & Technol, Sch	Web of Science
In vitro drought tolerance in selected	Singh, D; Kaur, S; Kumar, A	Acta Physiologiae Plantarum	2020	25	[Singh, Davinder; Kaur, Sukhmani; Kumar, Anil]	Web of Science
On weighted signed color partitions	Gupta, V; Rana, M; Sharma, S	Proceedings Of The Indian Acad	2020	25	1 Thapar Inst Engn & Technol, TIFAC Ctr Relevance [Gupta, V; Rana, M.; Sharma, S.] Thapar Inst Engn	Web of Science
Effect of accelerated carbonation curi	Sharma, D; Goyal, S	European Journal Of Environme	2020	25	0 & Technol, Sch Math, Patiala 147004, Punjab, [Sharma, Devender; Goyal, Shweta] Thapar Inst	Web of Science
Comparison of catalase activity in diffi	Kaur, G; Sharma, S; Das, N	Acta Physiologiae Plantarum	2020	25	0 Engn & Technol, Dept Civil Engn, Nabha Rd, [Kaur, Gurpreet; Sharma, Shweta; Das, Niranjn]	Web of Science
Microstructures and mechanical propi	Tiwary, CS; Paliwal, M; Kashy;	Materials Science And Engineeri	2020	25	1 Thapar Inst Engn & Technol, Dept Biotechnol, [Tiwary, Chandra Sekhar; Kashyap, Sanjay;	Web of Science
Probabilistic data structures for big da	Singh, A; Garg, S; Kaur, R; Bat	Knowledge-Based Systems	2020	25	0 Pandey, Praful; Sarkar, Suman; Kundu, Ipshita; [Singh, Amritpal; Garg, Sahil; Kaur, Ravneet; Batra,	Web of Science
Power allocation for downlink multius	Lamba, AK; Kumar, R; Sharma	International Journal Of Commu	2020	25	1 Shalini; Kumar, Neeraj] Deemed Univ, Thapar Inst [Lamba, Amanjot Kaur; Kumar, Ravi; Sharma,	Web of Science
Structural transition dynamics of biolc	Jana, R; Maity, B; Seth, D	Spectrochimica Acta Part A-Mol	2020	25	0 Sanjay] Thapar Inst Engn & Technol, Elect & [Jana, Rabindranath; Seth, Debabrata] Indian Inst	Web of Science
Enhanced crow search algorithm for A	Bhullar, AK; Kaur, R; Sondhi, S	Soft Computing	2020	25	0 Technol Patna, Dept Chem, Patna 801103, Bihar, [Bhullar, Amrit Kaur; Kaur, Ranjit] Punjabi Univ,	Web of Science
Improved Reduced-Order Modeling U	Tiwari, SK; Kaur, G	Iete Journal Of Research	2020	25	2 Dept Elect & Commun Engn, Patiala, Punjab, [Tiwari, Sharad Kumar; Kaur, Gagandeep] Thapar	Web of Science
Erosion tribo performance of HVOF de	Singh, G; Kumar, S; Sehgal, SS	Particulate Science And Technol	2020	25	1 Univ, Dept Elect & Instrumentat Engn, Patiala, [Singh, Gurmeet; Sehgal, Satbir S.] Chandigarh	Web of Science
Chemical treatment of low-grade coal	Singh, JP; Kumar, S; Mohapatra	Particulate Science And Technol	2020	25	0 Univ, Dept Mech Engn, Mohali 140413, India; [Singh, Jatinder Pal; Kumar, Satish; Mohapatra, S.	Web of Science
Magnetorheological finishing of groov	Singh, M; Singh, AK	International Journal Of Advanc	2020	25	1 K.] Thapar Inst Engn & Technol, Dept Mech Engn, [Singh, Manpreet; Singh, Anant Kumar] Thapar	Web of Science
Production of syngas from agricultural	Singh, J; Singh, S; Mohapatra,	Energy Sources Part A-Recovery	2020	25	1 Inst Engn & Technol, Dept Mech Engn, Patiala [Singh, Jatinderpal; Singh, Sandeep] Punjabi Univ,	Web of Science
Simulation studies on homogenously	Singh, D; Gupta, RK; Kumar, V	Chemical Engineering Communi	2020	25	0 Dept Mech Engn, Patiala, Punjab, India; [Singh, Damandeep] IOL Chem & Pharmaceut Ltd,	Web of Science
Designing Intuitionistic Fuzzy Forecast	Hassan, SG; Iqbal, S; Garg, H;	Ieee Access	2020	25	0 Barnala, Punjab, India; [Gupta, Raj Kumar] Thapar [Hassan, Shahbaz G.; Shuangyin, Liu] Zhongkai	Web of Science
Latency Evaluation of SDFGs on Heter	Rajadurai, S; Alazab, M; Kum	Ieee Access	2020	25	0 Univ Agr & Engn, Coll Informat Sci & Technol, [Rajadurai, Sivashankari; Gadekallu, Thippa	Web of Science
Machine Learning-Based Student's Na	Verma, C; Stoffova, V; Illes, Z;	Ieee Access	2020	25	0 Reddy] Vellore Inst Technol, Sch Informat Technol [Verma, Chaman; Illes, Zoltan] Eotvos Lorand	Web of Science
Blockchain for Industry 4.0: A Compre	Bodkhe, U; Tanwar, S; Parekh	Ieee Access	2020	25	0 Univ, Dept Media & Educ Informat, H-1053 [Bodkhe, Umesh; Tanwar, Sudeep; Parekh, Karan;	Web of Science
Stochastic Neural Networks for Cryptc	Jay, P; Kalariya, V; Parmar, P;	Ieee Access	2020	25	1 Khanpara, Pimal] Nirma Univ, Inst Technol, Dept [Jay, Patel; Kalariya, Vasu; Parmar, Pushpendra;	Web of Science
A Newly Developed Integrative Bio-In	Tao, H; Salih, SQ; Saggi, MK;	Ieee Access	2020	25	1 Tanwar, Sudeep] Nirma Univ, Inst Technol, Dept [Tao, Hai] Baoji Univ Arts & Sci, Comp Sci Dept,	Web of Science
					1 Baoji, Peoples R China; [Salih, Sinan Q.] Duy Tan	Web of Science

A novel exponential distance and its b	Garg, H; Kumar, K	Artificial Intelligence Review	2020	25	36 Technol Deemed Univ Patiala, Sch Math, Patiala	Web of Science
Maclaurin symmetric mean aggregatic	Garg, H; Arora, R	Journal Of Ambient Intelligence	2020	25	[Garg, Harish; Arora, Rishu] Thapar Inst Engn & Technol, Sch Math, Patiala 147004, Punjab, India	Web of Science
Impedance control of three dimensior	Arora, R; Bera, TK	Journal Of Mechanical Science A	2020	25	[Arora, Rashmi] Chandigarh Univ, Dept Mech Engn, Mohali, Punjab, India; [Bera, Tarun K.]	Web of Science
A power and area efficient approxima	Patel, SK; Garg, B; Rai, SK	Turkish Journal Of Electrical Eng	2020	25	[Patel, Sujit Kumar; Garg, Bharat; Rai, Shireesh Kumar] Thapar Inst Engn & Technol, Elect & Technol, Dept Comp Sci & Engn, Patiala, Punjab,	Web of Science
Dynamically updated diversified enser	Goel, K; Batra, S	Turkish Journal Of Electrical Eng	2020	25	[Goel, Kanu; Batra, Shalini] Thapar Inst Engn & Technol, Dept Comp Sci & Engn, Patiala, Punjab,	Web of Science
Higher-Order Non-Symmetric Duality I	Sonali; Sharma, V; Kailey, N	Acta Mathematica Scientia	2020	25	[Sonali; Sharma, Vikas; Kailey, Navdeep] Thapar Inst Engn & Technol, Sch Math, Patiala, Punjab,	Web of Science
MOSHEPO: a hybrid multi-objective a	Dhiman, G	Applied Intelligence	2020	25	[Dhiman, Gaurav] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala 147004, Punjab,	Web of Science
A Comprehensive Review on Image Er	Kaur, M; Kumar, V	Archives Of Computational Metl	2020	25	[Kaur, Manjit; Kumar, Vijay] Thapar Inst Engn & Technol, Dept Comp Sci & Engn, Patiala 147001,	Web of Science
Fusion of multi-exposure images using	Chaudhary, V; Kumar, V	Multidimensional Systems And	2020	25	[Chaudhary, Vishal; Kumar, Vinay] Thapar Inst Engn & Technol, Dept Elect & Commun Engn, Mahamana Malviya Degree Coll, Khekra 250101, Baghpat, India;	Web of Science
Optical properties of CdS:Pb thin layer	Kaushik, HK; Kumar, S; Chaud	Indian Journal Of Pure & Applie	2020	25	[Mishra, Akansha; Kumar, Amit] Thapar Inst Engn, Sch Math, Patiala, Punjab, India; [Appadoo, S. S.]	Web of Science
A note on "Novel scaled prioritized int	Mishra, A; Kumar, A; Appado	Engineering Applications Of Arti	2020	25	[Gupta, Rahul; Sharma, Sandeep; Nanda, Tarun] Thapar Inst Engn & Technol, Mech Engn Dept, Indian Inst Technol Ropar, Sch Mech Mat & Energy Engn, Patiala, Punjab, India;	Web of Science
A comparative study of dry sliding we	Gupta, R; Sharma, S; Nanda, T	Materials Research Express	2020	25	[Gupta, Rahul; Sharma, Sandeep; Nanda, Tarun] Thapar Inst Engn & Technol, Mech Engn Dept, Indian Inst Technol Ropar, Sch Mech Mat & Energy Engn, Patiala, Punjab, India;	Web of Science
Silicone oil envelope for enhancing thi	Bhalla, V; Beejawat, S; Doshi,	Renewable Energy	2020	25	[Bhalla, Vishal; Tyagi, Himanshu] Indian Inst Technol Ropar, Sch Mech Mat & Energy Engn, Patiala, Punjab, India;	Web of Science
Investigation of high temperature cori	Gada, H; Mudgal, D; Parvez, S	Engineering Failure Analysis	2020	25	[Gada, Hannan; Mudgal, Deepa] Thapar Inst Engn & Technol Patiala, Dept Mech Engn, Patiala, Punjab, India;	Web of Science
Aloe-vera flower shaped rutile TiO2 fo	Singh, S; Prajapat, R; Rather, I	Arabian Journal Of Chemistry	2020	25	[Singh, Satnam; Prajapat, Roopchand; Rather, Rayees Ahmad; Pal, Bonamali] Thapar Univ, Sch Chem Engn, Patiala, Punjab, India;	Web of Science
Blockchain for 5G-enabled IoT for indt	Mistry, I; Tanwar, S; Tyagi, S; I	Mechanical Systems And Signal	2020	25	[Mistry, Ishan; Tanwar, Sudeep] Nirma Univ, Inst Technol, Dept Comp Sci & Engn, Ahmadabad, Gujarat, India;	Web of Science
On the structural, dielectric and energ	Kaur, S; Singh, DP	Materials Chemistry And Physic	2020	25	[Kaur, Shobhneek; Singh, Dwijendra P.] Thapar Inst Engn & Technol, Sch Phys & Mat Sci, Patiala, Punjab, India;	Web of Science
Human Arthritis Analysis in Fog Comp	Tanwar, S; Vora, J; Kaneriya, S	IEEE Consumer Electronics Mag	2020	25	[Tanwar, Sudeep] Nirma Univ, Dept Comp Sci & Technol, Ahmadabad, Gujarat, India;	Web of Science
Design of intermittent rainfall-pattern	Das, S; Narula, P; Sarkar, K	Journal Of Building Engineering	2020	25	[Das, Sneha; Sarkar, Kaustav] Indian Inst Technol Mandi, Sch Engn, Kamand 175005, Himachal Pradesh, India;	Web of Science
Path planning techniques for unmann	Aggarwal, S; Kumar, N	Computer Communications	2020	25	[Aggarwal, Shubhani; Kumar, Neeraj] Thapar Inst Engn & Technol, Comp Sci & Engn Dept, Patiala, Punjab, India;	Web of Science
MudraChain: Blockchain-based frame	Kabra, N; Bhattacharya, P; Tai	Future Generation Computer Sy	2020	25	[Kabra, Naman; Bhattacharya, Pronaya; Tanwar, Sudeep] Nirma Univ, Inst Technol, Dept Comp Sci & Technol, Ahmadabad, Gujarat, India;	Web of Science
Blockchain data-based cloud data inte	Wei, PC; Wang, DH; Zhao, Y; T	Future Generation Computer Sy	2020	25	[Wei, PengCheng; Zhao, Yu] Chongqing Univ Educ, Sch Math & Informat Engn, Chongqing, Peoples R China;	Web of Science
Oxygen deficient V2O3: A stable and e	Chalotra, S; Mir, RA; Kaur, G; I	Ceramics International	2020	25	[Chalotra, Shweta; Mir, Rameez Ahmad; Kaur, Gurbinder; Pandey, O. P.] TIET, SPMS, Patiala	Web of Science

Synthesis and structure of complexes	Sharma, D; Jasinski, JP; Smolir	Inorganica Chimica Acta	2020	25	[Sharma, Dharmender; Sharma, Rekha] Lovely	2 Profess Univ, Dept Chem, Phagwara, Punjab,	Web of Science
En-ABC: An ensemble artificial bee col	Garg, S; Kaur, K; Batra, S; Auji.	Journal Of Parallel And Distribut	2020	25	[Garg, Sahil; Kaur, Kuljeet] Univ Quebec, Ecole	9 Technol Super, Elect Engn Dept, Montreal, PQ	Web of Science
GROUP DECISION MAKING APPROACH	Garg, H; Kumar, K	Journal Of Industrial And Manag	2020	25	[Garg, Harish; Kumar, Kamal] Thapar Inst Engn &	12 Technol Deemed Univ, Sch Math, Patiala 147004,	Web of Science
Techno-economical evaluation of cou	Changotra, R; Rajput, H; Guin	Journal Of Cleaner Production	2020	25	[Changotra, Rahil; Rajput, Himadri; Dhir, Amit]	3 Thapar Inst Engn & Technol, Sch Energy &	Web of Science
Influence of acyl acceptor blends on tl	Nain, P; Jaiswal, SK; Prakash, I	Fuel	2020	25	[Nain, Preeti; Gupta, Sanjay Kumar] Indian Inst	0 Technol, Environm Engn, Dept Civil Engn, Delhi,	Web of Science