

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Is it listed in UGC Care list/Scopus/Web of Science /other, mention
Comparative Analysis of Perturb Observe and Incremental Conductance MPPT Algorithms	Minakshi Sharma, Rashmi Chawla, Pradeep Kumar	Electronics Engineering	Journal of Electronic Design Technology	2021	2321-4248	Scopus
Phase transformation in Fe ₂ O ₃ nanoparticles Electrical properties with local electronic structure	Ritika Thusoo, Sheilza Jain, Sakshi Bangia	Electronics Engineering, Electrical Engineering	International Journal of Engineering Trends and Technology	2021	2231-5381	Scopus
<u>Control of non-linear Quadrotor using PID and Backstepping Techniques</u>	Dr. Sheilza Jain, Ms Ritika thusoo	Electrical Engineering	International journal of engineering trends and technology	2021	2231-5381	Scopus
Control of nonlinear quadrotor using PID and Backstepping Techniques	Rajni Saggi	Civil Engineering	Geotechnical and Geological Engineering	2021	0960-3182	Scopus
Cyclic Pile-Soil Interaction Effects on Load-Displacement Behavior of Thermal Pile Groups in Sand	Gambhir V., Wadhwa N.C., Grover S.	Mechanical Engineering	Quality Assurance in Education	2021	0968-4883	Scopus
Quality concerns in Technical Education in India: A quantifiable quality enabled model	Sorabh, Gupta A., Chandrasekaran K.	Mechanical Engineering	Journal of Failure Analysis and Prevention	2021	1547-7029	Scopus
Finite Element Modeling of Magnetic Flux Leakage from Metal Loss Defects in Steel Pipeline	Agarwal K., Kumar S., Sharma A.K.	Physics	Journal of Theoretical and Applied Information Technology	2021	1992-8645	Scopus
An efficient hybrid tree based routing algorithm for Ad-hoc network	Sorabh, Gupta A., Chandrasekaran K.	Mechanical Engineering	Journal of Failure Analysis and Prevention	2021	1547-7029	Scopus
Erratum to Finite Element Modeling of Magnetic Flux Leakage from Metal Loss Defects in Steel Pipeline (J Fail. Anal. and Preven., (2016), 10.1007/s11668-016-0073-6)	Yadav U., Narula G.S., Duhan N., Jain V., Murthy B.K.	Computer Engineering	Indian Journal of Science and Technology	2021	0974-6846	Scopus
Development and visualization of domain specific ontology using protege	Kaushik S.C., Kumar R., Arora R.	Mechanical Engineering	Journal of Thermal Engineering	2021	2148-7847	Scopus

Thermo-economic optimization and parametric study of an irreversible regenerative Brayton cycle	Malhotra V., Kumar Y.	Mechanical Engineering	International Journal of Mechanical Engineering and Technology	2021	0976-6340	Scopus
Study of process parameters of gravity die casting defects	Singh B., Grover S., Singh V.	Mechanical Engineering	Lecture Notes in Mechanical Engineering	2021	2195-4356	Scopus
A benchmarking model for indian service industries	A. Mondal and A. P. Sunda	Chemistry	Phys. Chem. Chem. Phys.	2021	1463-9076	Scopus
Molecular Dynamics Simulations of Ammonium/Phosphonium-based Protic Ionic Liquids Influence of Alkyl to Aryl Group	Kumar P., Aggarwal M.L.	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering	2021	17578981	Scopus
Effect of preheating on fatigue resistance of gears in spin induction coil hardening process	Sharma D.K., Sharma K.K., Kumar V., Sharma A.	Physics	Journal of Materials Science: Materials in Electronics	2021	9574522	Scopus
Correction to: Synthesis of Er doped ZnO cone-like nanostructures with enhanced structural, optical and magnetic properties (Journal of Materials Science: Materials in Electronics, (2018), 29, 5, (3840-3849), 10.1007/s10854-017-8320-5)	Dixit P., Pillai A., Rishi R.	Computer Engineering	Procedia Computer Science	2021	1877-0509	Scopus
Location Information Based Destination Converging Routing Method (LIBDCR)	Kumar S., Malhotra V., Kumar V.	Mechanical Engineering	International Journal of Process Management and Benchmarking	2021	1741-816X	Scopus
A framework to enhance cellular manufacturing system: A total interpretive structural modelling approach	Singhal N., Dixit A., Agarwal R.P., Sharma A.K.	Computer Engineering	International Journal of Information Technology (Singapore)	2021	25112104	Scopus
A reliability based approach for securing migrating crawlers	Dubey R., Mishra L.N., Cesarano C.	Mathematics	Axioms	2021	2075-1680	Scopus
Multiobjective fractional symmetric duality in mathematical programming with (C,Gf)-invexity assumptions	Dubey R., Deepmala, Mishra V.N.	Mathematics	Statistics, Optimization and Information Computing	2021	2311004X	Scopus
Chitosan embedded with Ag/Au nanoparticles: investigation of their structural, optical and sensing properties	Kumar R., Bhardwaj V., Prakash O.	Chemistry	Indian Journal of Heterocyclic Chemistry	2021	9711627	Scopus

Exploration of low-cost agro-industrial waste substrate for cellulase and xylanase production using <i>Aspergillus heteromorphus</i>	Setia S., Jyoti V., Duhan N.	Computer Engineering	Scientific Programming	2021	10589244	Scopus
A scheme for reduction in harmonics and establish the stability of hybrid system connected in grid	Bansal R., Gupta S., Sharma G.	Computer Engineering	Multimedia Tools and Applications	2021	13807501	Scopus
Pb ²⁺ and Cd ²⁺ recovery from water using residual tea waste and SiO ₂ @TW nanocomposites	Attri R., Ashishpal, Khan N.Z., Siddiquee A.N., Khan Z.A.	Mechanical Engineering	International Journal of Business Excellence	2021	17560047	Scopus
Oxygen-deficient lanthanum doped cerium oxide nanoparticles for potential applications in spintronics and photocatalysis	Dubey R., Mishra L.N., Ruiz L.M.S., Sarwe D.U.	Mathematics	Mathematics	2021	22277390	Scopus
Assimilation of Yb defect states in ZnO: Structural, optical and magnetic investigations	Shukla A., Gupta N., Gupta A., Goel R., Kumar S.	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	Scopus
Obtaining the tunable band-notch in ultrawideband THz antenna using graphene nanoribbons	Rani N., Chahal S., Kumar P., Kumar A., Shukla R., Singh S.K.	Physics	Vacuum	2021	0042207X	Scopus
Switchable Graphene-Based Bioelectronics Interfaces	Sharma R.C., Avesh M., Sharma S.K., Sharma S., Palli S., Sharma N.	Mechanical Engineering	International Journal of Vehicle Structures and Systems	2021	9753060	Scopus
Lead Toxicity: Health Hazards, Influence on Food Chain, and Sustainable Remediation Approaches	Kapoor A., Sindwani R., Goel M.	Management	Global Business Review	2021	0972-1509	Scopus
Nondifferentiable Multiobjective Programming Problem under Strongly K-G(f)-Pseudoinvexity Assumptions	Garg S., Baliyan N.	Computer Engineering	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2021	0302-9743	Scopus
Image Watermarking in Curvelet Domain Using Edge Surface Blocks	Kumar R., Kumar V., Singh S.	Mechanical Engineering	International Journal of Value Chain Management	2021	1741-5357	Scopus
Spatial dynamics of predator-prey system with hunting cooperation in predators and type I functional response	Narula S., Vashishath M., Pandey S.	Physics	Advances in Electrical and Electronic Engineering	2021	1336-1376	Scopus

Performance Investigation of Dual-Halo Dual-Dielectric Triple Material Surrounding Gate MOSFET with High-kappa dielectrics for Low Power Applications	Sindhvani R., Malhotra V.	Mechanical Engineering	International Journal of Agile Systems and Management	2021	17419174	Scopus
Higher-order symmetric duality in nondifferentiable multiobjective fractional programming problem over cone constraints	Kumar R., Kumar V.	Mechanical Engineering	Uncertain Supply Chain Management	2021	22916822	Scopus
Hypervalent iodine(III) mediated synthesis of 3-(β -styryl)-2,1-benzisoxazoles and 3-(β -hetaryl)vinyl-2,1-benzisoxazoles	Kumar V., Jangra K.K., Kumar V., Sharma N.	Mechanical Engineering	International Journal on Interactive Design and Manufacturing	2021	19552513	Scopus
HPM: A Hybrid Model for User's Behavior Prediction Based on N-Gram Parsing and Access Logs	Rani R., Vashisht M., Qamar S.	Physics	ICIC Express Letters, Part B: Applications	2021	2185-2766	Scopus
Quantifying Quantum Correlation of Quasi-Werner State and Probing Its Suitability for Quantum Teleportation	Bhatia S., Sharma M., Bhatia K.K.	Computer Engineering	International Journal of Intelligent Systems and Applications	2021	2074904X	Scopus
Modeling of hot water and steam protective performance of fabrics used in Firefighters' clothing	Singh V., Kumar S., Dimri P.K.	Electronics Engineering	Optik	2021	304026	Scopus
Investigation of sheet resistance variation with annealing temperature and development of highly sensitive and selective room temperature ammonia gas sensor using functionalized graphene oxide	Jain V., Raj T.	Mechanical Engineering	International Journal of Process Management and Benchmarking	2021	14606739	Scopus
Image-based wheat grain classification using convolutional neural network	Parkash O., Kumar A., Sikarwar B.S.	Mechanical Engineering	Journal of Mechanical Engineering and Sciences	2021	22894659	Scopus
A deep survey on supervised learning based human detection and activity classification methods	Singh T., Shrivastava K., Kumar A., Dubey R., Mishra V.N.	Mathematics	Advances in Mathematics: Scientific Journal	2021	1857-8365	Scopus
Android security assessment: A review, taxonomy and research gap study	Nain A.K., Gupta S., Bhushan B.	Physics	International Journal of Signal and Imaging Systems Engineering	2021	17480698	Scopus

Comparative analysis of Android and iOS from security viewpoint	Kumar R., Kumar V.	Mechanical engg.	International Journal of Productivity and Quality Management	2021	17466474	Scopus
Deadly KCN and pricey metal free track for accessing beta-ketonitriles employing mild reaction conditions	Dixit S., Raj T.	Mechanical Engineering	International Journal of Productivity and Quality Management	2021	17466474	Scopus
Methyl ester of Gmelina arborea oil as a substitute for petroleum diesel: an experimental study on its performance and emissions in a diesel engine	Sindhvani R., Malhotra V.	Mechanical Engineering	International Journal of Process Management and Benchmarking	2021	14606739	Scopus
MQTT protocol employing IOT based home safety system with ABE encryption	Kumar P., Gupta N., Gupta R., Patel J.K.B., Gupta A.	India; ASET	Advances in Intelligent Systems and Computing	2021	2194-5357	Scopus
Plane dilatational and shear waves in a uniformly rotating thermo-viscoelastic material with voids	Gothwal S., Raj T.	Mechanical Engineering	International Journal of Manufacturing Technology and Management	2021	13682148	Scopus
SPATIAL PATTERNS DYNAMICS OF A DIFFUSIVE PREDATOR-PREY SYSTEM WITH COOPERATIVE BEHAVIOR IN PREDATORS	Tayal N., Bansal R., Gupta S., Dhall S.	Physics	International Journal of Security and its Applications	2021	17389976	Scopus
Social Profile Aware AODV Protocol for Ad-Hoc Social Networks	Kumar R., Kumar V.	Mechanical Engineering	International Journal of Productivity and Quality Management	2021	17466474	Scopus
An innovative image encryption scheme based on chaotic map and Vigenère scheme	Arora R., Kaushik S.C., Kumar R.	Mechanical Engineering	Applied Solar Energy (English translation of Geliotekhnika)	2021	0003-701X	Scopus
Implications of Thermal Cyclic Loading on Pile Group Behavior	Anita Singh and Somvir Bajar	Environmental Sciences	Indian Journal of Biochemistry and Biophysics	2021	0975-0959	Scopus
ISM-MICMAC approach for evaluating the critical success factors of 5S implementation in manufacturing organisations	Amandeep, Kumar K.	Mechanical Engineering	International Journal of Computer Aided Engineering and Technology	2021	1757-2657	Scopus
Nondifferentiable multiobjective programming problem under strongly K-Gf-pseudoinvexity assumptions	Devi R., Tyagi H.K., Kumar D.	Physics	Lecture Notes in Networks and Systems	2021	2367-3370	Scopus

Natural Pozzolans a Comparative Study: A Review	Dubey R., Singh T.	Mathematics	Mathematics in Engineering, Science and Aerospace	2021	2041-3165	Scopus
MgO nanostructures at different annealing temperatures for d0 ferromagnetism	Sharma K., Virk K., Kumar V., Sharma S.K., Sharma V.	Physics	Materials Today: Proceedings	2021	22147853	Scopus
Linear and non-linear stability analysis of a constrained railway wheel axle	Bansal S., Agarwal S.K., Siddiqui A.S.	Electrical Engineering	Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika)	2021	402508	Scopus
Mobile Wallets: Theoretical and Empirical Analysis	Madaan R., Bhatia K.K.	Management	Lecture Notes on Data Engineering and Communications Technologies	2021	23674512	Scopus
Machine Learning Based Android Vulnerability Detection: A Roadmap	Kumar A., Kumar R., Singh R., Prasad B., Kumar D., Kumar M.	Electronics Engineering	IOP Conference Series: Materials Science and Engineering	2021	17578981	Scopus
(1+PD)-PID cascade controller design for performance betterment of load frequency control in diverse electric power systems	Kumar L., Pooja, Kumar P.		IOP Conference Series: Materials Science and Engineering	2021	17578981	Scopus
Structural, dielectric and ferroelectric properties of Cu ²⁺ - and Cu ²⁺ /Bi ³⁺ -doped BCZT lead-free ceramics: a comparative study	Chawla R., Singhal P., Garg A.K.	Electrical Engineering	Transactions on Electrical and Electronic Materials	2021	12297607	Scopus
FEMT: a computational approach for fog elimination using multiple thresholds	Kumar P., Gupta N., Sachdeva N., Sachdeva T., Vashishath M.	Electronics Engineering	Journal of Semiconductor Technology and Science	2021	15981657	Scopus
An optimized crawling technique for maintaining fresh repositories	Sansanwal K., Mittal M., Goyal L.M.	Computer Engineering	Lecture Notes in Networks and Systems	2021	23673370	Scopus
An efficient method of multicolor detection using global optimum thresholding for image analysis	Attri R., Khan N.Z., Siddiquee A.N., Khan Z.A.	Mechanical Engineering	International Journal of Services and Operations Management	2021	17442370	Scopus
Fabrication of activated carbon electrodes derived from peanut shell for high-performance supercapacitors	Kaur P., Aggarwal S.K., De A.	Electrical Engineering	Radioelectronics and Communications Systems	2021	0735-2727	Scopus

Deep neural network features fusion and selection based on PLS regression with an application for crops diseases classification	Dubey R., Mishra L., Ali R.	Mathematics	Mathematics	2021	2227-7390	Scopus
Role of non-functionalized oxide nanoparticles on mechanical properties and toughening mechanisms of epoxy nanocomposites	Singla D., Sharma P.R.	Electrical Engineering	International Journal of Engineering and Advanced Technology	2021	2249-8958	Scopus
Bio-synthesized Cu-ZnO hetro-nanostructure for catalytic degradation of organophosphate chlorpyrifos under solar illumination	Garg R.	Mathematics	International Journal of Recent Technology and Engineering	2021	2277-3878	Scopus
The role of conductive nanoparticles in anaerobic digestion: Mechanism, current status and future perspectives	Sheokand K., Turk N.	Electronics Engineering	International Journal of Recent Technology and Engineering	2021	2277-3878	Scopus
A review on biochar production techniques and biochar based catalyst for biofuel production from algae	Sharma G., Chawla R., Gupta S., Dora S.	Electronics Engineering	SN Applied Sciences	2021	2523-3971	Scopus
Prediction of coefficient of consolidation in soil using machine learning techniques	Dubey R., Mishra V.N.	Mathematics	International Journal of Nonlinear Analysis and Applications	2021	2008-6822	Scopus
Argon ion implanted CR-39 polymer: Optical and structural characterization	Kumar S., Bhatia K.K.	Computer Engineering	SN Applied Sciences	2021	2523-3971	Scopus
Electrochemical Performance of rGO@ZnCo2O4 Microspheres: Rationally Designed Asymmetric Constructed Wide-Potential Energy Storage Device	Shukla A., Gupta N., Gupta A., Goel R., Kumar S.	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	Scopus
Room Temperature Synthesis of Colossal Magneto-Resistance of La ₂ /3Ca ₁ /3MnO ₃ : Ag-0.10 Composite	Sethi P., Garg P., Dixit A., Singh Y.	Computer Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	Scopus
Characterization and empirical analysis of hot water immersion with compression protective performance of fabrics used in firefighters' clothing	Dixit A., Garg P., Sethi P., Singh Y.	Computer Engineering	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	Scopus

Analysis of bio-dynamic model of seated human subject and optimization of the passenger ride comfort for three-wheel vehicle using random search technique	Nair R.R., Prakash R., Kumar R.	Chemistry	Indian Journal of Heterocyclic Chemistry	2021	9711627	Scopus
Swarm-LSTM: Condition Monitoring of Gearbox Fault Diagnosis Based on Hybrid LSTM Deep Neural Network Optimized by Swarm Intelligence Algorithms	Sharma S., Sharma R.C., Sharma S.K., Sharma N., Palli S., Bhardawaj S.	Mechanical Engineering	International Journal of Vehicle Structures and Systems	2021	9753060	Scopus
A Real-Time Integrated Face Mask Detector to Curtail Spread of Coronavirus	Gautam A., Sharma P.R., Kumar Y.	Electrical Engineering	International Journal on Electrical Engineering and Informatics	2021	20856830	Scopus
Using Artificial Neural Network Modeling to Analyze the Thermal Protective and Thermo-Physiological Comfort Performance of Textile Fabrics Used in Oilfield Workers' Clothing	Aggarwal A.K., Kumar S., Singh V.	Mechanical Engineering	International Journal of Systems Assurance Engineering and Management	2021	0975-6809	Scopus
Prioritization of lower back pain risk factors among industrial workers using the best-worst method	Kumar N., Kumar M., Singh M.	Noida	International Journal of Systems Assurance Engineering and Management	2021	0975-6809	Scopus
Relationship establishment between lean manufacturing and supply chain characteristics to study the impact on organisational performance using SEM approach	Nagpal B., Chauhan N., Singh N.	Computer Engineering	International Journal of Systems Assurance Engineering and Management	2021	9756809	Scopus
A novel digital background calibration technique for 16 BIT SHA-less multibit pipelined ADC	Dev N., Attri R.K.	Mechanical Engineering	International Journal of Systems Assurance Engineering and Management	2021	9756809	Scopus
Barriers evaluation for agile manufacturing system with fuzzy performance importance index approach	Rani N., Yadav M.K.	Physics	International Journal on Technical and Physical Problems of Engineering	2021	2077-3528	Scopus
Evaluation and benchmarking of lean manufacturing system environment: A graph theoretic approach	Garg P., Dixit A., Sethi P.	Computer Engineering	International Journal of Advanced Science and Technology	2021	2005-4238	Scopus

WEDM of nickel based aerospace alloy: optimization of process parameters and modelling	Sakshi Tewari and Shilpi Sharma	Life Sciences , JC Bose University of Science and Technology ,YMCA Faridabad	Physiological and Molecular Plant Pathology - Elsevier	2021	0885-5765	Scopus
Estimation of global threshold of infrared image by using fuzzy granule	Dr. Rachna Agrawal, Dr. Arti Gupta	Management Studies	International Journal of Tourism Policy	2021	1750-4104	Scopus
Opinion score mining: An algorithmic approach	Sunanda Mendiratta, Neelam Turk, Dipali Bansal	Electronics Engineering	Conference proceedings by Springer LNNS Series.	2021	2367-3370	Scopus
Relational study of academicians motivation and organistional performance through Graph theory	Ms. Ashima Verma, Dr. Rachna Agrawal	Management studies	FIIB Business Review	2021	2319-7145	Scopus
Quantification of radon/thoron exhalation rates of soil samples collected from district Faridabad of Southern Haryana, India	Saravanan Krishnan · Ashokkumar Thirunavukarasu · Niraj Kumar Jha · Rekha Gahtori · Ayush Singha Roy · Sunny Dholpuria · Kavindra Kumar Kesari · Sachin Kumar Singh · Kamal Dua · Piyush Kumar Gupta	Life Sciences	Journal of Nanoparticle Research	2021	1388-0764	Scopus
MgO nanostructures at different annealing temperatures for d(0) ferromagnetism	Aman Joshi, Prakash Chand, Sunaina	Physics	Materials Today: Proceedings	2021	2214-7853	Scopus
Performance evaluation of SCM–WDM-HAN communication link using millimeter waves in the presence of XPM	Ritesh Sharma; Sanjeev Kumar; Rajeev Kumar Saha	Mechanical Engineering	International Journal of Productivity and Quality Management	2021	1746-6482	Scopus
Optimisation of cutting force using metaheuristics	Saurabh Singh, Ashok Kumar, Navish Kataria, Sandeep Kumar, Parmod Kumar	Environmental Sciences	Journal of Environmental Chemical Engineering	2021	2213-3437	Scopus
Numerical simulation and comparative analysis of pressure drop estimation in horizontal and vertical slurry pipeline	Anuradha Tyagi, Punj Deepika Punj* and Shilpa Sethi	Computer Engineering	Research Journal of Biotechnology	2021	2278-4535	Scopus

Pattern formation of prey–predator system with schooling behavior via amplitude equation	Patra, S.K., Raj, T., Arora, B.B.	Mechanical Engineering	International Journal of Operational Research	2021	1745-7653	Scopus
An extension to switching bilateral filter for mixed noise removal from colour image	Garg, P., Dixit, A., Sethi, P.	Computer Engineering	Computer Systems Science and Engineering	2021	0267-6192	Scopus
Effect of lean manufacturing on organisational performance of Indian industry: A survey	MamtaKathuria, Rewa Sharma, ManishaBishnoi	Computer Applications	Journal of Huazhong University of Science and Technology	2021	ISSN: 1671-4512	Scopus
Identification and modelling of the various factors affecting the productivity of FMS	Disha Garg, Dr. Komal Kumar Bhatia, Sonali Gupta	CE Department	Communi cations in Computer and Informati on Science	2021	1865-0937	Scopus
Modelling the attributes affecting design and implementation of agile manufacturing system	Parul Tomar, Gyanendr a Kumar	CE Department	Mathematics in Engineering, Science and Aerospace (MESA)	2021	2041-3165	Scopus
A systematic study on mitigating parameter variation in MOSFETs	Dr. Bharat Dhiman	CMT	International Journal of Psychosocial Rehabilitation	2021	1475-7192	Scopus
Performance Evaluation of flexible manufacturing system using digraph and matrix/GTA approach	Dr. Bharat Dhiman	CMT	Global Media Journal (Google Scholar h5 index: 7	2021	1550-7521	Scopus
Analysis of various cryptography techniques: A survey	Dr. Bharat Dhiman, Dr. Pawan Singh	CMT	Global Media Journal (Google Scholar h5 index: 7	2021	1550-7521	Scopus
Operational performance improvement by implementation of value stream mapping - A case study from Indian industry	Shipra Jain, Rajesh Kr. Ahuja, Anju Gupta	Electrical Engineering	International Journal of Mechanical Engineering	2021	0974-5823	Scopus
Multi-objective thermodynamic optimization of solar parabolic dish stirling heat engine with regenerative losses using NSGA-II and decision making	Lalit Rai and S. K. Agarwal,	Electronics Engineering	International Journal of Electrical Engineering and Technology (IJEET	2021		Scopus
First Report of the Isolation of Novel Oxiranes in the I(III) Mediated Oxidation of 1-(4-Nitrophenyl)-3-arylprop-2-en-1-ones	Savita Lohat, Rajender Kumar and Sheilza Jain,	Electronics Engineering	Webology,	2021	1735-188X	Scopus

Development and integration of near atmospheric N-2 ambient sputtered Au thin film for enhanced infrared absorption	Neelam Turk, Sangeeta Kamboj, Sonam Khara and Neha Rajput	Electronics Engineering	Biomedical and Pharmacology Journal,	2021		Scopus
Aspects of ions induced texture evolution on Ge surface: A statistical assessment	Anisha, Munish Sabharwal and Rohit Tripathi,	Electronics Engineering	Journal of Tianjin University Science and Technology,	2021	0493-2137,	Scopus
Physical and tribological characteristics of porous NiTi SMA fabricated by powder metallurgy	Ritika Thusoo, Sheilza Jain and Sakshi Bangia,	Electronics Engineering	INFORMATION TECHNOLOGY IN INDUSTRY	2021		Scopus
Flow of Bi-modal Slurry through Horizontal Bend	Rohit Tripathi, G.N.Tiwari, T.S.Bhatti and Manoj K.Shukla,	Electronics Engineering	Materials Today: Proceedings,	2021		Scopus
Natural radioactivity in rock samples of Aravali hills in India	Malik, S., Maheshwari, G.C & Singh, A.	Management Studies	International Journal of business and globalization (Inderscience)	2021	1753-3635	Scopus
An innovative image encryption scheme based on chaotic map and Vigenere scheme	Savita Rani, Dr. Neha Goyal	Management Studies	Journal of Tianjin University Science and Technology	2021	2213-1396	Scopus
Optimization of cellulolytic enzyme production by thermophilic fungus Thermoascus aurantiacus using response surface methodology	Dr Rachna Agrawal, Riya Gupta	Management Studies	International Journal of Applied Decision Sciences	2021	1755-8077	Scopus
Optimisation of brake pedal linkage: A comparative analysis towards material saving using CAE tools	Dr. Renu Aggarwal, Prof. Pankaj Kumar Gupta, Mr. Jalbir	Management Studies	journal of elementary education	2021	1452-1469	Scopus
Recurrence Plot Features of RR-Interval Signal for Early Stage Mortality Identification in Sudden Cardiac Death Patients	Ms Ashwarya Kapoor, Dr Rajiv Sindwani, Dr Manisha Goel	Management Studies	Journal of Information Technology Management	2021	2423-5059	Scopus
Second-order multiobjective nondifferentiable fractional programming problem and duality relations under $(K \times Q)$ - (C, α, r, d) - type-I functions	Divesh Garg, Reena Garg	Mathematics	Indian Journal of Forensic Medicine and Pathology	2021	0974-3391	Scopus

Preparation and characterizations graft copolymer of poly(acrylamide-aniline)-Grafted Gum Ghatti	Suman, Vikas Sharma, Seema Devi, Surjeet Chahal, Jitendra Pal Singh, K.H.Chae, Ashok Kumar, K. Asokan, Parmod Kumar.	Physics	Physica B Condensed Matter	2021	0921-4526	Others
Performance of digital communication network for a two-tank system implementing LAR and RIP protocol using fractional controller and Smith predictor	Dr. Manisha Goel, Dr Ritu Gandhi Arora, Anushree chauhan	Management Studies	IIMS Journal of Management Science	2021	0976-030X	Others
Prevalence of visualization techniques in data mining	Ankita Gill, Amita Arora, Manvi Siwach	Computer Application	International Journal Of Current Engineering And Scientific Research	2021	2393-8374	Others
Relationship of the electric potential inside the nano crystallite with the chemisorbed gas molecules at metal oxide semiconductor surface and its effect on gas sensor response	Jyoti Choudhary , Alka Choudhary	Computer Engineering	International Journal of Computer Theory and Engineering (IJCTE)	2021	1793-8201	Others
Production Process Smoothening and Elimination of Bottleneck	Kamran Shahab, Hassan Irtaza, Ashish Agarwal	Civil Engineering	Journal of The Institution of Engineers (India) Series C, Springer Nature,	2021	2250-0553	Others
Photovoltaic Review of all Generations: Environmental Impact and Its Market Potential	Monica Gupta, Alka Choudhary, Jyotsna Parmar	Computer Engineering	International Journal of Computer Vision and Image Processing (IJCVIP)	2021	2155-699	Others
Performance investigation of dual-halo dual-dielectric triple material surrounding gate MOSFET with high-κ dielectrics for low power applications	Hitesh Verma, Alka Choudhary, Jyotsna Parmar	Computer Engineering	International Journal of Information Security Science (IJISS)	2021	2147-0030	Others
Prediction of Rise in Violence Inclined Opinions: Utility of Sentiment Analysis in the Modern World	Dr.Akhilesh Tripathi	CMT	अक्षरवार्ता (अवदान विशेषांक)	2021	2349-7521	Others
Quantifying the factors affecting the 5S implementation in manufacturing organisations using graph theory and matrix method	Dr.Rahul Arya	CMT	Kalyan Bharti	2021	0976-0822	Others

Advancement of the search process of salp swarm algorithm for global optimization problems	Dr. Subhash Chand Goel	CMT	Journal of education: Rabindra Bharti University	2021	0922-7175	Others
Performance enhancement of rectangular microstrip patch antenna using double H shaped metamaterial	Dr. Pawan Singh	CMT	Janmat Power	2021	2582-6557	Others
Relay selection-based hybrid satellite-terrestrial communication systems	Dr. Pawan Singh	CMT	International Journal of Communication Studies	2021	0973-9688	Others
A novel hybrid security mechanism for data communication networks	Komal Goyal, Ashutosh Nigam, Neha Goyal, Manisha Goyal	Management Studies	JOURNAL OF GENERAL MANAGEMENT RESEARCH	2021	ISSN 2348-2869 Print ISSN 2348-5434 Online	Others
Fabrication of spiral inter-digitated terminal (IDT) structure of electroplated gold on quartz substrate and progressive microplasma generation	Divesh Garg, Reena Garg	Mathematics	Life Cycle Reliability and Safety Engineering	2021	2520-1360	Others
Synthesis of Er doped ZnO cone-like nanostructures with enhanced structural, optical and magnetic properties	Malik, S., Maheshwari, G.C & Singh, A.	Management Studies	International Journal of financial services management (Inderscience)	2021	1741-8062	UGC Care
Synthesis of Er doped ZnO cone-like nanostructures with enhanced structural, optical and magnetic properties (vol 29, pg 3840, 2018)	Dr Taruna Narula	CMT	Pramana International Journal	2021	2249-2976	UGC CARE
Experimental Investigation and optimization of Process Parameters for Shear Strength of Compound Cast Bimetallic Joints	Dr. Subhash Chand Goel	CMT	Kala sarovar	2021	0975-4520	UGC CARE
Search for Prioritized Test Cases in Multi-Objective Environment During Web Application Testing	Meena; Sharma, Annu; Kumar, Rajiv; Ram, Sita; Sharma, Pawan K.	Chemistry	JOURNAL OF POLYMER RESEARCH	2021	1572-8935	Web of Science
EXPERIMENTAL INVESTIGATION AND OPTIMIZATION OF PROCESS PARAMETERS FOR IMPACT STRENGTH OF COMPOUND CAST BIMETALLIC JOINTS	Bajar, Somvir; Singh, Anita; Bishnoi, Narsi R.	Environmental Sciences	APPLIED WATER SCIENCE	2021	2190-5495	Web of Science

Computational energy and exergy analysis of R134a, R1234yf, R1234ze and their mixtures in vapour compression system	Malik, Manisha; Sharma, P. R.	Electrical Engineering	AIN SHAMS ENGINEERING JOURNAL	2021	2090-4495	Web of Science
Imperfect CSI-based large MIMO systems	Joshi, Seema; Kataria, Navish; Garg, V. K.; Kadirvelu, K.	Environmental Sciences	CHEMOSPHERE	2021	1879-1298	Web of Science
Effect of dispersion on omnidirectional reflection band in zinc oxide-based one-dimensional photonic crystal heterostructures	Chahal, Surjeet; Singh, Saurabh; Kumar, Ashok; Kumar, Parmod	Physics	VACUUM	2021	1879-2715	Web of Science
Special class of second-order non-differentiable symmetric duality problems with $(G, \alpha f)$ -pseudobonvexity assumptions	Sharma, Dharendra Kumar; Varshney, Mayora; Shukla, Sweta; Sharma, Kapil Kumar; Kumar, Vipin; Sharma, Anuradha	Physics	VACUUM	2021	0042-207X	Web of Science
Power loss calculation in 11-level cascaded H-bridge inverter using harmony search optimized switching scheme	Sharma, Taruna; Varshney, Gaurav; Yaduvanshi, Rajveer Singh; Vashishath, Munish	Electronics Engineering	OPTICAL ENGINEERING	2021	1560-2303	Web of Science
Reliability measures of a two unit model in cold standby mode with expert repairman	Choudhary, Meenakshi; Shukla, Sudheesh K.; Narang, Jagriti; Kumar, Vinod; Govender, Penny P.; Niv, Avi; Hussain, Chaudhery Mustansar; Wang, Rui; Mangla, Bindu; Babu, Rajendran Suresh	Chemistry	CHEMOSENSORS	2021	2227-9040	Web of Science

Classification and detection of faults in induction motor using dwt with deep learning methods under the time-varying and constant load conditions	Kumar, Amit; Amit Kumar; Cabral-Pinto, M. M. S.; Chaturvedi, Ashish K.; Shabnam, Aftab A.; Subrahmanyam, Gangavarapu; Mondal, Raju; Gupta, Dipak Kumar; Malyan, Sandeep K.; Kumar, Smita S.; Khan, Shakeel A.; Yadav, Krishna K.	Environmental Sciences	International journal of Environmental Research and Public Health	2021	1660-4601	Web of Science
A publicly verifiable watermarking scheme based on quantum chaos and DWT–DCT	Dubey, Ramu; Mishra, Lakshmi Narayan; Sanchez Ruiz, Luis Manuel; Sarwe, Deepak Umrao	Mathematics	MATHEMATICS	2021	2227-7390	Web of Science
Temperature-dependent dynamic hysteresis scaling of ferroelectric hysteresis parameters of lead free [(Ba _{0.825} + xCa _{0.175} - x)(Ti _{1-x} Snx)O ₃]ceramics	Mittal, Mamta; Kaushik, Ranjeeta; Verma, Amit; Kaur, Iqbaldeep; Goyal, Lalit Mohan; Roy, Sudipta; Kim, Tai-hoon	Computer Engineering	SYMMETRY-BASEL	2021	2073-8994	Web of Science
Effect of dilute co-doping of Ni and Cr on physical properties of TiO ₂ nanoparticles	Singh, Teekam; Dubey, Ramu; Mishra, Vishnu Narayan	Mathematics	AIMS MATHEMATICS	2021	2473-6988	Web of Science
Second-order nondifferentiable multiobjective mixed type fractional programming problems	Kumar, Prashant; Gupta, Neeraj; Nitin Sachdeva, Tarun Sachdeva; Vashishath, Munish	Electronics Engineering	JOURNAL OF SEMICONDUCTOR TECHNOLOGY AND SCIENCE	2021	2233-4866	Web of Science
Semantic similarity and text summarization based novelty detection	Chatterjee, Arpita; Thapliyal, Kishore; Pathak, Anirban	Mathematics	ANNALEN DER PHYSIK	2021	1521-3889	Web of Science
Study on the Behaviour of Green Concrete by the use of Industrial waste Material: A Review	Mandal, Sumit; Song, Guowen; Grover, Indu Bala	Computer Engineering	FIRE AND MATERIALS	2021	1099-1018	Web of Science

Smart number cruncher - A voice based calculator	Kumar, Ravi; Kumar, Anil; Singh, Rakesh; Kashyap, Rajesh; Kumar, Dinesh; Goel, Rajesh; Kumar, Mukesh	Chemistry	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	1573-482X	Web of Science
TVCCCS: Television Viewer's Channel Cost Calculation System on per Second Usage	Lingwal, Surabhi; Bhatia, Komal Kumar; Tomer, Manjeet Singh	Computer Applications	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
α , α -Dibromoketones in organic synthesis: Synthesis and antibacterial evaluation of 1-Bromo-2-phenacylmercaptobenzimidazoles and 2-Amino/ substituted amino-4-aryl-5-(2'-mercaptobenzimidazolyl)thiazoles	Khan, Muhammad Attique; Mittal, Mamta; Goyal, Lalit Mohan; Roy, Sudipta	Computer Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
Vibration isolation of the quarter car model of road vehicle system using dynamic vibration absorber	Garg, Shivi; Baliyan, Niyati	Computer Engineering	COMPUTERS & SECURITY	2021	1872-6208	Web of Science
Sensitivity based congestion management in a deregulated power system by optimal allocation & parameter setting of TCSC using grey wolf optimization	Garg, Shivi; Baliyan, Niyati	Computer Engineering	COMPUTER SCIENCE REVIEW	2021	1876-7745	Web of Science
Mathematical modeling and fuzzy availability analysis of skim milk powder system of a dairy plant	Sharma, Pawan K.; Kumar, Rajiv; Ram, Sita; Chandak, Navneet	Chemistry	SYNTHETIC COMMUNICATIONS	2021	1532-2432	Web of Science
Automated ontology generation from a plain text using statistical and NLP techniques	Yadav, Ashok Kumar; Khan, Tahir Ali; Khan, Tasmeem Ahmad; Kumar, Sanjeev	Mechanical Engineering	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2021	1556-7230	Web of Science
SECSIX: security engine for CSRF, SQL injection and XSS attacks	Gupta, Vatsal; Khera, Sonam; Turk, Neelam	Electronics Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
Evaluation of gas turbine power plant efficiency using graph theoretic approach	Goyal, Suraj; Bhagwan, Jai; Kamra, Rabia; Tomar, S. K.	Mathematics	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	2021	1537-6532	Web of Science

Efficient thermal utilization in MEMS bulk micromachined pyroelectric infrared sensor using thermal oxide thin layer	Singh, Teekam; Dubey, Ramu	Mathematics	FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY	2021	1793-6543	Web of Science
Adding value to agro-industrial waste for cellulase and xylanase production via solid-state bioconversion	Aneja, Nagender; Gambhir, Sapna	Computer Engineering	WIRELESS PERSONAL COMMUNICATIONS	2021	1572-834X	Web of Science
Electronic energy transfer effects of Ti9+ and S9+ ions irradiations upon structural, optical and chemical properties of Kapton-H polymer	Sarma, Kethan; Saggu, Rajni	Civil Engineering	JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING	2021	1943-5606	Web of Science
A Space-Time Transmission Scheme for Large MIMO Systems	Celik, Emre; Ozturk, Nihat; Arya, Yogendra; Ocak, Cemil	Electrical Engineering	NEURAL COMPUTING & APPLICATIONS	2021	1433-3058	Web of Science
Design of Query Processing System to Retrieve Information from Social Network using NLP	Kumari, Sapna; Kumar, Amit; Kumar, V.; Dubey, S. K.; Goyal, P. K.; Kumar, Suresh; Sharma, A. L.; Arya, Anil	Physics	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	1573-482X	Web of Science
Publicly verifiable watermarking scheme for intellectual property protection using quantum Chaos and bit plane complexity slicing	Mittal, Mamta; Kumar, Munish; Verma, Amit; Kaur, Iqbaldeep; Kaur, Bhavneet; Sharma, Meenakshi; Goyal, Lalit Mohan	Computer Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
Propagation characteristics of nonlinear low frequency electrostatics modes in quantum plasma	Sethi, Shilpa	Computer Applications	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
Wireless sensor networks: An insight review	Goyal, Lalit Mohan; Mittal, Mamta; Kumar, Munish; Kaur, Bhavneet; Sharma, Meenakshi; Verma, Amit; Kaur, Iqbaldeep	Computer Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science

Elastic waves at the plane interface of swelling porous half-space and viscoelastic half-space with voids	Pandey, Lokesh; Sarkar, Subhajt; Arya, Anil; Sharma, A. L.; Panwar, Amrish; Kotnala, R. K.; Gaur, Anurag	Mechanical Engineering	BIOMASS CONVERSION AND BIOREFINERY	2021	2190-6823	Web of Science
An improved high-throughput method for assessing the impact of bioformulation on plant parameters: Case study with pigeonpea seeds	Saeed, Farah; Khan, Muhammad Attique; Sharif, Muhammad; Mittal, Mamta; Goyal, Lalit Mohan; Roy, Sudipta	Computer Engineering	APPLIED SOFT COMPUTING	2021	1872-9681	Web of Science
A new objective function design for optimization of secondary controllers in load frequency control	Goyat, M. S.; Hooda, Amrita; Gupta, Tejendra K.; Kumar, Kaushal; Halder, Sudipta; Ghosh, P. K.; Dehiya, Brijnandan S.	Physics	CERAMICS INTERNATIONAL	2021	1873-3956	Web of Science
A Review on Applications of Internet of Things	Pathania, Deepak; Sharma, Arush; Kumar, Smita; Srivastava, Ashok Kumar; Kumar, Ajay; Singh, Lakhveer	Environmental Sciences	CHEMOSPHERE	2021	1879-1298	Web of Science
Enhancement in Morphological Mean Filter for Image Denoising Using GLCM Algorithm	Kumar, Smita S.; Ghosh, Pooja; Kataria, Navish; Kumar, Deepak; Thakur, Sveta; Pathania, Deepak; Kumar, Vivek; Nasrullah, Mohd; Singh, Lakhveer	Environmental Sciences	CHEMOSPHERE	2021	1879-1298	Web of Science

A study of financial performance post-Merger and acquisition in the pharmaceutical sector: A CACA approach	Nguyen Thuy Lan Chi; Anto, Susaimanickam; Ahamed, Tharifkhan Shan; Kumar, Smita S.; Shanmugam, Sabarathinam; Samuel, Melvin S.; Mathimani, Thangavel; Brindhadevi, Kathirvel; Pugazhendhi, Arivalagan	Environmental Sciences	FUEL	2021	1873-7153	Web of Science
Turbulent wind flow through permeable claddings mounted on elevated scaffold using CFD Simulation	Mittal, Mamta; Satapathy, Suresh Chandra; Pal, Vaibhav; Agarwal, Basant; Goyal, Lalit Mohan; Parwekar, Pritee	Computer Engineering	MICROPROCESSORS AND MICROSYSTEMS	2021	1872-9436	Web of Science
Experimental and simulation testing of an EGLC controller for an IAG-EGLC system for electrifying off-grid rural sites	Chhokkar, Preeti; Kumar, V.; Goyal, Parveen K.; Kumar, Shyam; Tomar, A. K.; Gaur, Anurag; Arya, Anil	Physics	OPTICAL MATERIALS	2021	1873-1252	Web of Science
A Novel Fault Diagnostic System for Rolling Element Bearings using Deep Transfer learning on Bispectrum Contour Maps	Sharma, Meenu; Gaur, Anurag	Physics	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2021	1945-7111	Web of Science
Female spiritual tourism: An application of conjoint analysis	Boora, Navjyoti; Ahmad, Rafiq; Rani, Poonam; Maheshwari, Pankaj Kumar; Khosla, Ajit; Bansal, Sonia; Awana, V. P. S.; Hafiz, A. K.	Physics	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2021	2162-8777	Web of Science
ROBUST FEATURE EXTRACTION AND RECOGNITION MODEL FOR AUTOMATIC SPEECH RECOGNITION SYSTEM ON NEWS REPORT DATASET	Mandal, Sumit; Batcheller, Jane; Song, Guowen; Grover, Indu Bala	Computer Engineering	TEXTILE RESEARCH JOURNAL	2021	1746-7748	Web of Science

Has the Product Patent Regime Impacted Mergers and Acquisitions? Unveiling with a Systematic Literature Review	Sharma, Rakesh Chandmal; Sharma, Sakshi; Sharma, Sunil Kumar; Sharma, Neeraj; Singh, Gurpreet	Mechanical Engineering	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART K-JOURNAL OF MULTI-BODY DYNAMICS	2021	2041-3068	Web of Science
Effect of annealing temperatures on optical and electrochemical behavior of spinel LiMn ₂ O ₄ as cathode materials for lithium-ion batteries applications	Durbhaka, Gopi Krishna; Selvaraj, Barani; Mittal, Mamta; Saba, Tanzila; Rehman, Amjad; Goyal, Lalit Mohan	Computer Engineering	CMC-COMPUTERS MATERIALS & CONTINUA	2021	1546-2226	Web of Science
Comparative Study of Aerodynamic Coefficients of Prismatic and Twisted Tall Buildings with various Cross Sections using CFD	Sethi, Shilpa; Kathuria, Mamta; Kaushik, Trilok	Computer Applications	CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES	2021	1526-1506	Web of Science
Nanotechnology-based therapeutic formulations in the battle against animal coronaviruses: an update	Mandal, Sumit; Mazumder, Nur-U-Shafa; Agnew, Robert J.; Grover, Indu Bala; Song, Guowen; Li, Rui	Computer Engineering	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2021	1660-4601	Web of Science
Analysis of Text Identification Techniques Using Scene Text and Optical Character Recognition	Khan, Noor Zaman; Shihab, Suha K.; Attri, Rajesh; Siddiquee, Arshad Noor; Khan, Zahid A.	Mechanical Engineering	INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS	2021	2376-9130	Web of Science
A- STATE-OF-THE-ART SURVEY ON IMAGE ENCRYPTION AND DECRYPTION TECHNIQUES	Singh, Bhupender; Kant, Krishan; Garg, Maneesha; Sahoo, B. K.	Physics	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2021	1588-2780	Web of Science
Effect of Hydrothermal Temperature on Structural, Optical and Electrochemical Properties of α -MnO ₂ Nanostructures for Supercapacitor Application	Rani, Neha; Chahal, Surjeet; Kumar, Parmod; Kumar, Anand; Shukla, Rajni; Singh, S. K.	Physics	VACUUM	2021	0042-207X	Web of Science

Role of microwave irradiation power rates on electrochemical performance of BiPO ₄ nanostructures as electrode material for energy storage applications	Prakash, Om; Moriarty, Robert M.; Chaudhri, Vishwas; Pannu, Kamaljeet; Pundeer, Rashmi	Chemistry	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY	2021	0971-1627	Web of Science
Biomass derived carbon for supercapacitor applications: Review	Gaur, Surender P.; Kothari, Prateek; Maninder, K.; Kumar, Prem; Rangra, Kamaljit; Kumar, Dinesh	Physics	INFRARED PHYSICS & TECHNOLOGY	2021	1879-0275	Web of Science
Electrochemical performance of surfactant based BiPO ₄ nanostructures for energy storage applications	Garg, S. K.; Datta, D. P.; Kanjilal, D.; Som, T.	Physics	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2021	1872-9584	Web of Science
Impact of input parameters variability on surface roughness and density on laser sintered AlSi10Mg specimens	Sharma, Neeraj; Raj, Tilak; Kumar, Kamal	Mechanical Engineering	PARTICULATE SCIENCE AND TECHNOLOGY	2021	1548-0046	Web of Science
Photocatalytic activity of α -Fe ₂ O ₃ @ CeO ₂ and CeO ₂ @ α -Fe ₂ O ₃ core-shell nanoparticles for degradation of Rose Bengal dye	Kaushal, Deo Raj; Kumar, Arvind; Tomita, Yuji; Kuchii, Shigeru; Tsukamoto, Hiroshi	Mechanical Engineering	KONA POWDER AND PARTICLE JOURNAL	2021	0288-4534	Web of Science
Plummeting global warming potential by chemicals interventions in irrigated rice: A lab to field assessment	Kumari, R.; Kant, K.; Garg, M.	Physics	INTERNATIONAL JOURNAL OF RADIATION RESEARCH	2021	2322-3243	Web of Science
Optimization of CNN with LSTM for Plant Classification and Prediction	Bansal, Ritesh; Gupta, Shailender; Sharma, Gaurav	Electronics Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
An analysis of selected barriers towards the implementation of an energy efficient sustainable manufacturing system: A graph theoretic approach	Celik, Emre; Ozturk, Nihat; Arya, Yogendra	Electrical Engineering	Expert Systems with Applications	2021	0957-4174	Web of Science
ML-fresh: Novel routing protocol in opportunistic networks using machine learning	Arti, M. K.; Jain, Varun	Electronics Engineering	IET COMMUNICATIONS	2021	1751-8636	Web of Science

A multi-objective approach for test suite reduction during testing of web applications: A search-based approach	Tayal, Neha; Bansal, Ritesh; Dhal, Sangeeta; Gupta, Shailender	Electronics Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
Efficient routing mechanism for neighbour selection using fuzzy logic in wireless sensor network	Dutta, Shankar; Kapoor, Udit; Kumar, Lokesh; Bhardwaj, Akash; Leeladhar; Gond, Vinita; Jain, K. K.; Bhan, R. K.	Electrical Engineering	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	1573-482X	Web of Science
A Takagi-Sugeno (T-S)-Type FIS-Based Controller for an Autonomous Induction Generator (AIG)	Sharma, Dharendra Kumar; Sharma, Kapil Kumar; Kumar, Vipin; Sharma, Anuradha	Physics	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	1573-482X	Web of Science
Frequency stabilization in sustainable energy sources integrated power systems using novel cascade noninteger fuzzy controller	Sharma, Dharendra Kumar; Sharma, Kapil Kumar; Kumar, Vipin; Sharma, Anuradha	Physics	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	1573-482X	Web of Science
Utilization of energy storage devices with optimal controller for multi-area hydro-hydro power system under deregulated environment	Tayal, Rajender Kumar; Kumar, Sudhir; Singh, Vikram	Mechanical Engineering	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2021	0975-1645	Web of Science
Cascade FOPI-FOPTID controller with energy storage devices for AGC performance advancement of electric power systems	Khanna, Munish; Chauhan, Naresh; Sharma, Dilip; Toofani, Abhishek; Chaudhary, Achint	Computer Engineering	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	2021	2191-4281	Web of Science
Tidal turbine support in microgrid frequency regulation through novel cascade Fuzzy-FOPID droop in de-loaded region	Tayal, Rajender Kumar; Singh, Vikram; Kumar, Sudhir	Mechanical Engineering	INTERNATIONAL JOURNAL OF METALCASTING	2021	2163-3193	Web of Science
Small files' problem in Hadoop: A systematic literature review	Gaurav; Kumar, Raj	Mechanical Engineering	AIN SHAMS ENGINEERING JOURNAL	2021	2090-4495	Web of Science
Handling Heterogeneous Data in Knowledge Graphs A Survey	Arti, M. K.; Seema, Shimpee	Physics	IET COMMUNICATIONS	2021	1751-8636	Web of Science

Web-Based News Straining and Summarization Using Machine Learning Enabled Communication Techniques for Large-Scale 5G Networks	Chacko, Vinod; Bansal, Sonia; Hafiz, Aurangzeb Khurram	Physics	JOURNAL OF NANOPHOTONICS	2021	1934-2608	Web of Science
A Structural Analysis Based Test Case Prioritization Technique for Object Oriented Software	Singh S., Singh B., Kumar S., Yadav A.K.	Mechanical Engineering	Ferroelectrics	2021	0015-0193	Web of Science
A Multilevel System Test Cases Prioritization Technique for Object Oriented Software	Kumar, Anand; Kashyap, Manish K.; Kumar, Sarvesh; Kumar, Parmod; Asokan, K.	Physics	VACUUM	2021	1879-2715	Web of Science
Face Mask Detection using Deep Learning: An Approach to Reduce Risk of Coronavirus Spread	Gaur, Surender P.; Kumar, Prem; Rangra, Kamaljit; Kumar, Dinesh	Physics	MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS	2021	1432-1858	Web of Science
Sentiment Analysis using Multinomial Naïve Bayes Algorithm from Covid-19 Tweets on Twitter	Singh, Anita; Bajar, Somvir; Devi, Arti; Bishnoi, Narsi R.	Environmental Sciences	BIOMASS CONVERSION AND BIOREFINERY	2021	2190-6823	Web of Science
Leveraging blockchain for ensuring trust in IoT A survey	Singh, Paramjit; Ram, Jagjeevan; Gupta, S. K.; Kumar, Vijay; Sharma, S. K.; Kumar, Rajesh	Physics	VACUUM	2021	0042-207X	Web of Science
Small files problem: A systematic literature review	Arti, M. K.	Physics	IEEE WIRELESS COMMUNICATIONS LETTERS	2021	2162-2345	Web of Science
A Systematic Review on Data Scarcity Problem in Deep Learning Solution and Applications	Virmani, Charu; Juneja, Dimple; Pillai, Anuradha	Computer Engineering	KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS	2021	1976-7277	Web of Science
Evaluating Annotated Dataset of Customer Reviews for Aspect Based Sentiment Analysis	Sharma, Gaurav; Gupta, Shailender; Dhall, Sangeeta; Nagpal, C. K.	Electronics Engineering	MULTIMEDIA TOOLS AND APPLICATIONS	2021	1573-7721	Web of Science
A Research Perspective on Security in Fog Computing Through Blockchain Technology	Goyal, Suraj; Bhagwan, Jai; Tomar, S. K.	Mathematics	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES	2021	1879-2162	Web of Science

SENSEnu ts IoT platform and Bayes decision theorem based mine control system	Yenen Yılmaz, Zümre; Bal, Güngör; Çelik, Emre; Ozturk, Güngör; Güvenç, Uğur; Arya, Yogendra	Electrical Engineering	Journal of the Faculty of Engineering and Architecture of Gazi University	2021	1304-4915	Web of Science
Reinforcement learning based predictive analytics framework for survival in stock market	Ms. Ashima Verma, Dr. Rachna Agrawal	Management Studies	Pacific Business Review International	2021	0974-438X	Web of Science
A Stateless Spatial IPv6 Address Configuration Scheme for Internet of Things	Ashish Agarwal and Hassan Irtaza	Civil Engineering	Engineering Reports, Wiley Publication	2021	2577-8196	Web of Science
Predicting a reliable stock for mid and long term investment	Experimental and simulation testing of an EGLC controller for an IAG-EGLC system for electrifying off-grid rural sites	Electrical Engineering	SN Applied Sciences	2021	2523-3963 / 2523-3971	Web of Science
A novel user trend-based priority assigner and URL scheduler for dynamic incremental crawling	Chhaya Grover, Neelam Turk	Electronics Engineering	Engineering Science and Technology, an International Journal	2021	2215-0986	Web of Science
Design of a Parallel and Scalable Crawler for the Hidden Web	Prakash Chand, Vivek Bansal, Sohan Lal, Aman Joshi, Sukriti and Anand Kumar	Physics	Journal of Materials Science: Materials in Electronics	2021	1573-482X	Web of Science
Energy Aware Q-learning AODV (EAQ-AODV) routing for cognitive radio sensor networks	Sunaina Saini, Prakash Chand, Aman Joshi, Sohan Lal, Vishal Singh	Physics	Chemical Physics Letters	2021	0009-2614	Web of Science
M2VMapper Malware-to-Vulnerability mapping for Android using text processing	Aman Joshi, Prakash Chand	Physics	Materials Chemistry and Physics	2021	0254-0584	Web of Science
A novel technique for image classification using short-time Fourier transform and local binary pattern	Sunaina Saini, Prakash Chand, Aman Joshi	Physics	Journal of Energy Storage	2021	2352-152X	Web of Science

Temperature Effects on Pile-Soil Interface Behaviour in case of Piles in Sand	Sandeep K. Malyan, Arti Bhatia, Ram Kishor Fagodiya, Smita S. Kumar, Amit Kumar, Dipak Kumar Gupta, Ritu Tomer, Ramesh Chand arit, Vinod Kumar, Niveta Jain, Himanshu Pathak	Environmental Sciences	Agriculture, Ecosystems and Environment	2021	0167-8809	Web of Science
Behavior of Saturated Soils at Elevated Temperatures: A Review	Khanna, M., Chauhan, N., Sharma, D.K., Singh, L.K.	Computer Engineering	International Journal of Applied Metaheuristic Computing	2021	1947-8291	Web of Science
Experimental Analysis of Steel Circular Hollow Section under Bending Loads: Comprehensive Study of Mechanical Performance	Ramkumar, K., Ananthi, N., Brabin, D.R.D., ...Bhatia, K.K., Kumar, H.	Computer Engineering	Computers and Electrical Engineering	2021	0045-7906	Web of Science
Covid 19 – Usage of E- learning Applications (apps) by students of Higher Education for Professional Development	Raveena Aggarwal, Jyoti Verma,Manvi Siwach	Computer Applications	Journal of King Saud University-Computer and Information Sciences	2021	1319-1578	Web of Science
भारतीय समाज कार्य मे राष्ट्रीय सेवा भारती का योगदान,अक्षरवार्ता (अवदान विशेषांक)	Sushmita Singh,Manvi	Computer Applications	Journal of Web Engineering	2021	1540-9589 (Print Version),ISSN: 1544-5976 (Online Version)	Web of Science
Advertising in the Age of New Media	Mamta Kathuria, Shilpa Sethi , Trilok Kaushik	Computer Applications	Journal of Biomedical Informatics	2021	ISSN: 1532-0464	Web of Science
The Impact of E-Learning on Media- Technical education in India during COVID-19(Vol.:XXIV,No.:2,2021-2022)	Rajesh Kumar, Rewa Sharma	CE Department	Journal of King Saud University - Computer and Information Sciences	2021	1319-1578	Web of Science
Socio-economic responses to COVID-19: A study of Delhi-NCR(Year-24,Vol.IV-Part-II;2021,291-297)	Raveena Aggarwal, Jyoti Verma, Manvi Siwach	CE Department	Journal of King Saud University - Computer and Information Sciences	2021	1319-1578	Web of Science
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Language No Bar in Hindi Soap Opera	Dimple Chehal, Parul Gupta, Payal Gulati	CE Department	Journal of Web Engineering	2021	1544-5976	Web of Science
Science Communication in India: Current Trends and Future Vision	Shruti Mittal, Chander Kumar Nagpal	CE Department	Int. J. Intelligent Engineering Informatics	2021	1758-8715	Web of Science
Social Media exposure and Psychological problems during COVID-19 outbreak: A cross-sectional study	Gyanendra Kumar, Parul Tomar	CE Department	IETE Journal of Research	2021	0974-780X	Web of Science
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Psychosocial Impact of Web Series and Streaming Content: A Study on Indian Youth	Ashlesha Gupta, Ashutosh Dixit	CE Department	Concurrency and Computation Practice and Experience	2021	1532-0634	Web of Science
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