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Sr. No.	Title of the Paper	Authors Name	Name of Journals
1	Visualising women entrepreneurship in India: a data study on growth, trends and opportunities	Mishra, A.K.; Bisht, S.; Sharma, S.; Jauhari, A.; Jain, V.	International Journal of Intelligent Enterprise
2	Advancements in Antiperovskite Structured Solids: A Comprehensive Review	Kumar, S.; Pathak, S.K.; Sharma, D.; Kamlesh, P.K.; Verma, A.S.	East European Journal of Physics
3	Transesterification-derived biodiesel: a comprehensive assessment of feedstock diversity, engine performance, and pathways to sustainable transportation	Kumar, D.; Pratap, S.; Gupta, N.; Tyagi, P.; Kumar, P.; Prajapati, R.K.; Hasnain, S.M.M.; Paramasivam, P.; Ayanie, A.G.	Discover Sustainability
4	Recent advancements of plasmonic sensor technologies in healthcare and electronics	Ratnesh, R.K.; Chauhan, R.K.; Kumar, R.; Afroz, M.; Singh, J.	Journal of Molecular Structure
5	Synthesis and Antifungal Activity of 4-Aroyl-5-aryl-1-(thymin-5′-yl)triazoles	Kant, C.; Mishra, U.; Khan, S.; Kumar, J.; Shukla, M.; Pathak, R.B.; Chopra, I.; Kumar, R.; Kumar, R.	Russian Journal of General Chemistry
6	Assessment of the feasibility and techno-economic viability of a SPV-driven autonomous power generation system for electrification in remote areas of India	Chauhan, R.K.; Singh, A.P.; Pramanick, D.; Sharma, H.; Kumar, P.	Energy Conversion and Management: X
7	Experimental Exploration of Specific Wear Rate in Linear Reciprocating Motion Using Dimensional Analysis	Kumar, P.; Kumar, B.; Pratap, S.	Experimental Techniques

8	Tunable Graphene-Loaded Ultra Wide-Band Antenna for Reconfigurable Notch Band in THz Spectrum	Jha, P.; Saxena, D.; Sharma, N.	Plasmonics
9	Design of Compact Four-Port MIMO Antenna With Improved Isolation for WBAN Applications	Jha, P.; Saxena, D.; Sharma, N.	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields
10	Innovative catalytic approaches for optimizing biodiesel production: A review of homogeneous, heterogeneous, enzymatic, and nanostructured catalysts	Bhan, S.; Kumar, S.; Gautam, R.; Yadav, P.S.; Gautam, G.D.; Mahajan, S.	Environmental Progress and Sustainable Energy
11	Task scheduling with enhanced VM migration using SM-PCCTSA with SKD-RBM	Kausar, M.T.A.; Pachauri, S.	International Journal of System Assurance Engineering and Management
12	Synthesis and predictive modelling of wear behaviour in hybrid aluminum composites	Kumar, P.; Kumar, B.; Pratap, S.; Hasnain, S.M.M.; Alkhaleel, B.A.	Results in Engineering
13	Effect of temperature on the wear properties of the novel hybrid aluminum composite reinforced with ZrB2 and fly ash	Kumar, P.; Pratap, S.; Kumar, B.	Materials Letters
14	SL-R-CNN-HHO: multi-class skin lesion classification using region-based convolutional neural networks and harris hawk optimization	Sharma, M.P.; Sehgal, L.	International Journal of Information Technology
15	Engineered CeO_2–carbon nanocomposites for enhanced oxygen evolution reaction	Shanmuga Priya, S.A.T.S.; Singh, A.P.; Agarwal, A.; Fatehmulla, A.; Mondal, A.; Haldar, A.C.	Research on Chemical Intermediates
16	A fight against cancer with advancement of Schiff base metal complexes: Future prospects	Tyagi, M.; Dubey, M.	Oral Oncology Reports

17	Automated Knee Osteoarthritis Classification from X-ray Images Using the VGG-16 Model	Rani, S.; Memoria, M.; Joshi, K.; Lamba, A.K.	Biomedical and Pharmacology Journal
18	A novel investigation on hydrogen induction and compression ratio on atomization and performance combustion emissions of heated biodiesel blends in diesel engines	Yadav, P.S.; Prakash, S.; Gautam, R.	Environmental Progress and Sustainable Energy
19	Secure and Reliable Authentication Protocol for Energy Internet-Enabled Vehicle-to-Grid Communication System	Khan, A.A.; Muti, S.; Alzahrani, B.A.; Das, A.K.; Hussain, M.; Irshad, A.; Chaudhry, S.A.	IEEE Transactions on Consumer Electronics
20	Optimization of biodiesel properties using Free Fatty Acid-based blending, Artificial and Machine Learning modelling, and advanced production technologies	Bhan, S.; Yadav, P.S.; Bibhu, V.; Gautam, G.D.; Gautam, R.	Environmental Progress and Sustainable Energy
21	Non-Localized Coupled Thermo-Mechanical Waves in an Infinite Media with Voids: A Detailed Investigation	Tiwari, R.; Tripathi, V.; Chauhan, R.S.	Mechanics of Solids
22	Parametric optimization for electrical discharge diamond grinding (EDDG) system using dual approach	Kumar, V.; Jha, S.K.	Network: Computation in Neural Systems
23	Utilization and assessment of MLP-ANN framework to forecast quality of water for irrigation purposes	Varshney, D.; Singh, S.; Singh, R.; Kumar, A.; Bobba, P.B.; Epifantsev, K.V.; Rathee, R.; Muhsen, M.	International Journal of Information Technology (Singapore)
24	RSPDT: Randomized Search Probabilistic Decision Tree Classifier for Pollution Level Prediction in Smart Cities	Mahesh, T.R.; Balajee, A.; Dorai, D.R.; Sehgal, L.; Khan, S.B.; Kumar V, V.V.; Almusharraf, A.	Human-centric Computing and Information Sciences
25	Algae-synthesized cerium oxide nanoparticles for antibiotic degradation in water and subsequent bioenergy production	Dubey, M.; Sharma, J.; Krishna, R.; Chawla, V.; Nigam, S.; Joshi, M.	3 Biotech

26	Non-Invasive Bio-Impedance Imaging and Sensing for Medical Diagnostics and Industrial Applications	Kumar, R.; Ratnesh, R.K.; Chauhan, R.K.; Kumar, A.; Singla, M.K.; Gupta, R.	Journal of the Electrochemical Society
27	Development of Potential Electrocatalyst: Highly Multiporous WO3–rGO Nanocomposites for Enhancing Electrocatalytic Oxygen Evolution Reactions	Mondal, A.; Srivastava, P.; Singh, A.P.; Fatehmulla, A.; Mandari, K.K.	ChemistrySelect
28	Eco-Engineered Low-Cost Carbosorbent Derived from Biodegradable Domestic Waste for Efficient Total Chromium Removal from Aqueous Environment: Spectroscopic and Adsorption Study	Saxena, V.; Singh, A.K.; Srivastava, A.; Srivastava, A.	Nature Environment and Pollution Technology
29	LabVIEW-Enabled Synthetic Signal for Empowering Fetal-Maternal Healthcare	Bin Queyam, A.B.; Kumar, R.; Ratnesh, R.K.; Chauhan, R.K.	ECS Journal of Solid State Science and Technology
30	Optimizing Photovoltaic Arrays: A Novel Approach to Maximize Power Output in Varied Shading Patterns	Ishrat, Z.; Gupta, A.K.; Nayak, S.	Journal of Renewable Energy and Environment
31	A Novel Approach for Prediction of Consumer Buying Behaviour of Luxury Fashion Goods Using Machine Learning Algorithms	Kumar, A.; Balhara, S.; Lokeshwaran, K.; Sharma, M.P.; Singh, G.; Mukherjee, S.K.; Sharma, A.	International Journal of Intelligent Systems and Applications in Engineering
32	Biotechnology and Genetic Engineering using AI: A Review	Sreelakshmi, K.; Vishwakarma, P.K.; Rao, S.; Maqbool, A.; Samal, D.; Saini, R.; Thakur, G.	International Journal of Intelligent Systems and Applications in Engineering
33	Advancements in metaheuristic optimization techniques for laser beam cutting of FRP composites: A review	Gautam, G.D.; Shrivastava, Y.	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering
34	Can food delivery robots become a new norm in India? A study of online food delivery services	Agarwal, A.; Mittal, A.	International Journal of Services and

			Operations Management
35	SGAK: A Robust ECC-Based Authenticated Key Exchange Protocol for Smart Grid Networks	Khan, A.A.; Kumar, V.; Prasad, R.; Idrisi, M.J.	IEEE Access
36	Modelling the combined impact of population density and its precursor on forest resources	Mangla, S.; Sharma, S.; Rajoria, Y.K.; Chikara, D.	International Journal of Global Warming
37	Deep Learning-Based 5G Networks and IoVs: Advances, Meta-Data Analysis, and Future Direction	Singh, S.K.; Kumar Mishra, A.K.; Singh, R.K.	International Journal of Intelligent Systems and Applications in Engineering
38	A Novel Approach for Hand-Written Digit Classification Using Deep Learning	Sachdeva, T.; Jha, N.; Geeta; Hemalatha, H.; Salah, M.M.; Deep, S.; Kumar, C.	International Journal of Intelligent Systems and Applications in Engineering
39	A Systematic Review of Blockchain Technology Assisted with Artificial Intelligence Technology for Networks and Communication Systems	Kumar, K.; Kumar, V.; Seema, n.; Sharma, M.K.; Khan, A.A.; Idrisi, M.J.	Journal of Computer Networks and Communications
40	A Comprehensive Review of MPPT Techniques Based on ML Applicable for Maximum Power in Solar Power Systems	Ishrat, Z.; Gupta, A.K.; Nayak, S.	Journal of Renewable Energy and Environment
41	Tomato Disease Detection Using Vision Transformer with Residual L1-Norm Attention and Deep Neural Networks	Tiwari, M.; Kumar, H.; Prakash, N.; Kumar, S.; Neware, R.; Tripathi, S.; Agarwal, R.	International Journal of Intelligent Engineering and Systems
42	A Novel Approach for Human Behaviour Prediction Using Deep Learning Algorithms	Kashyap, B.; Sachdeva, V.; Shirahatti, A.; Singh, G.; Arya, A.; Senthilkumar, J.; Kumar, C.	International Journal of Intelligent Systems and Applications in Engineering
43	Thermodynamic properties of chalcogenide and pnictide ternary tetrahedral semiconductors	Pal, S.; Sharma, D.; Chandra, M.; Mittal, M.; Singh, P.; Lal, M.; Verma, A.S.	Chalcogenide Letters

44	Asymmetrical CPW-Fed Circularly Polarized Two-Port MIMO Antenna for Satellite and Wi-Fi 6E Communication	Jha, P.; Kumar, A.; De, A.	IETE Journal of Research
45	Compact two-port antenna with high isolation based on the defected ground for THz communication	Kumar, A.; Saxena, D.; Jha, P.; Sharma, N.	Results in Optics
46	Novel template free synthesis of high surface area mesoporous ceria and adaptive neuro fuzzy interference system (ANFIS) modelling for Cr(VI) adsorption	Dubey, M.; Joshi, M.; Thota, C.; Kumar, R.	Materials Science and Engineering: B
47	A Design and Investigation Inexact Compressor Based on Low Power Multiplier	Nagar, S.; Saxena, S.; Patel, G.S.; Nayak, S.; Kumar, A.	Journal of Circuits, Systems and Computers
48	Metamaterial Inspired Split Ring Resonator Accomplished Multiband Antenna for 5G and Other Wireless Applications	Jha, P.; Kumar, A.; Sharma, N.	Revue Roumaine des Sciences Techniques Serie Electrotechnique et Energetique
49	Nitrogen-Doped Graphene Nanosheets for Sustainable Removal of Pharmaceutical Contaminants from Water: Kinetics and ANFIS Modeling	Sharma, J.; Dubey, M.; Chakrabarti, S.; Srivastava, S.K.; Mishra, Y.K.; Bhatnagar, A.; Nigam, S.; Joshi, M.	ChemNanoMat
50	Statistical Analysis of Network Traffic Techniques Using ML & Deep Learning Algorithms	Pandey, S.K.; Kumhar, B.; Kumar, N.; Rawat, T.; Mohan, D.S.	International Journal of Intelligent Systems and Applications in Engineering
51	Special Vehicle Like Ambulance Recognition and Security System Using Mobility Accredit System	Rai, A.; Kundu, K.; Dev, R.; Nayak, S.; Keshari, J.P.; Durgesh Nandan, D.	Revue d'Intelligence Artificielle
52	A Nonlinear Hybrid Diffusion Model for Image Denoising	Alam, K.; Kumar, S.; Kumar, N.; Pandey, S.P.; Pal, S.K.	Macromolecular Symposia
53	Probabilistic assessment of complex system consisting three subsystems, multi-failure threats and copula repair approach	Jibril, A.B.; Singh, V.V.; Rawal, D.K.	International Journal of Quality and Reliability Management

54	Optimizing Solar Energy Harvesting: Supervised Machine Learning-Driven Peak Power Point Tracking for Diverse Weather Conditions	Ishrat, Z.; Ali, K.B.; Vats, S.; Kumar, S.	International Journal of Robotics and Control Systems
55	Quantum cryptography-A modern approach	Rai, S.; Upadhyay, A.K.; Sharma, D.; Raj, D.; Gupta, A.K.; Ather, D.	Journal of Discrete Mathematical Sciences and Cryptography
56	Demand Side Control for Energy Saving in Renewable Energy Resources Using Deep Learning Optimization	Shekhar, H.; Bhushan Mahato, C.; Suman, S.K.; Singh, S.; Bhagyalakshmi, L.; Sharma, M.P.; Laxmi Kantha, B.; Vidhya, H.V.; Agraharam, S.K.; Rajaram, A.	Electric Power Components and Systems
57	A Secure and Privacy-Preserving Lightweight Authentication and Key Exchange Algorithm for Smart Agriculture Monitoring System	Itoo, S.; Khan, A.A.; Ahmad, M.; Idrisi, M.J.	IEEE Access
58	IoT Framework for Precision Agriculture: Machine Learning Crop Prediction	Mohan, D.S.; Dhote, V.; Mishra, P.; Singh, P.; Srivastav, A.	International Journal of Intelligent Systems and Applications in Engineering
59	Development of complete image processing system including image filtering, image compression & image security	Shelke, S.K.; Sinha, S.K.; Patel, G.S.	Materials Today: Proceedings
60	Deflection routing mechanism using BLESS and BBUS NoC	Mulajkar, A.; Sinha, S.K.; Patel, G.S.	Materials Today: Proceedings
61	Performance of an air gap membrane distillation system and enhancement using a low-cost surface modification	Shirsath, G.B.	International Journal of Green Energy
62	Progress in mesoporous ceria: A review on synthesis strategies and catalytic applications	Dubey, M.; Wadhwa, S.; Mathur, A.; Kumar, R.	Applied Surface Science Advances

63	ZnO/α-MnO2 hybrid 1D nanostructure-based sensor for point-of-care monitoring of chlorinated phenol in drinking water	Dubey, M.; Kumar, R.; Srivastava, S.K.; Verma, A.; Mathur, A.; Chawla, V.; Rubahn, H.-G.; Joshi, M.; Mishra, Y.K.	Materials Today Chemistry
64	Enhanced Bisphenol A Sensing in Water Using 1-D H+Exchanged α-MnO2-Based Impedimetric Sensor	Dubey, M.; Mathur, A.; Kumar, R.	IEEE Sensors Journal
65	Synergistic engineering for adsorption assisted photodegradation of 2,4 dichlorophenol using easily recoverable α-MnO2/Fe3O4 nanocomposite	Dubey, M.; Challagulla, N.V.; Kumar, R.	Applied Surface Science Advances
66	Anaerobic co-digestion of dry fallen leaves, fruit/vegetable wastes and cow dung without an active inoculum – A biomethane potential study	D' Silva, T.C.; Isha, A.; Verma, S.; Shirsath, G.B.; Chandra, R.; Vijay, V.K.; Subbarao, P.M.V.; Kovács, K.L.	Bioresource Technology Reports
67	DECENT: Deep Learning Enabled Green Computation for Edge Centric 6G Networks	Kashyap, P.K.; Kumar, S.; Jaiswal, A.; Kaiwartya, O.; Kumar, M.; Dohare, U.; Gandomi, A.H.	IEEE Transactions on Network and Service Management
68	Development and performance evaluation of object and traffic light recognition model by way of deep learning	Bali, S.; Kumar, T.; Tyagi, S.S.	Indonesian Journal of Electrical Engineering and Computer Science
69	Security Protection Mechanism in Cloud Computing Authorization Model Using Machine Learning Techniques	Tiwari, P.K.; Kaliyan, K.; Veeraiah, D.; Ranjan, N.; Singh, J.; Alshammri, G.H.; Halifa, A.	Wireless Communications and Mobile Computing
70	Grey-based decision-making approach for the selection of distributor in a supply chain	Vats, P.; Soni, G.; Rathore, A.P.S.; Shukla, O.J.	International Journal of Intelligent Enterprise
71	Study of End to End Image Processing System Including Image De-noising, Image Compression & Image Security	Shelke, S.K.; Sinha, S.K.; Patel, G.S.	Wireless Personal Communications

72	Development of improved speed aes based on key dependent intra-round operations	Shelke, S.K.; Sinha, S.K.; Patel, G.S.	Journal of Theoretical and Applied Information Technology
73	Adaptive TCP model for abrupt network congestion	Verma, I.; Sheel, N.; Manu, K.	Mathematics in Engineering, Science and Aerospace
74	Impact of HR practices on corporate image building in the Indian IT sector	Rana, R.; Kapoor, S.; Gupta, S.K.	Problems and Perspectives in Management
75	Tourist tax administration in the fiscal target system for hospitality businesses	Bovsh, L.; Okhrimenko, A.; Boiko, M.; Gupta, S.K.	Public and Municipal Finance
76	Structural, electronic, optical and magnetic properties of Co2CrZ (Z= Al, Bi, Ge, Si) heusler compounds	Sukhender; Mohan, L.; Kumar, S.; Sharma, D.; Verma, A.S.	East European Journal of Physics
77	First principles calculation of manganese based half heusler compounds	Mohan, L.; Sukhender; Kumar, S.; Sharma, D.; Verma, A.S.	East European Journal of Physics
78	Green house method of production significance and sustainable development criteria	Baighout, S.A.; Gupta, S.K.; Uygun, S.V.	International Journal of Sustainable Agricultural Management and Informatics
79	Connected component analysis with rnn for performing secured data management with hidden data in finger prints	Kumar, A.; Rani, R.; Sharma, N.; Purohit, S.	Journal of Advanced Research in Dynamical and Control Systems
80	Secure and efficient routing protocol (E-ARAN) for ad-hoc network	Gurunadhababu, M.; Archanadevi, G.; Sharma, M.P.	International Journal of Innovative Technology and Exploring Engineering
81	Performance examination of black hole and gray hole attacks in MANETs	Sharma, M.P.	International Journal of Recent Technology and Engineering
82	Natural products in drug discovery: Antibacterial and antifungal activity of essential oil of compound isolated from senecio royleanus	Singh Bisht, C.M.; Iqubal, S.M.S.; Khan, A.A.; Tasneem, T.;	Journal of Pure and Applied Microbiology

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83	An efficient 3D color-texture feature and neural network technique for melanoma detection	Warsi, F.; Khanam, R.; Kamya, S.; Suárez Araújo, C.P.	Informatics in Medicine Unlocked
84	Modelling the enablers for implementation of green manufacturing in Indian automobile industries	Sharma, V.; Virmani, N.	International Journal of Green Economics
85	Ab initio studies of structural, electronic, optical, elastic and thermal properties of CuGaTe2	Singh, P.; Sharma, S.; Kumari, S.; Saraswat, V.K.; Sharma, D.; Verma, A.S.	Semiconductors
86	Effect of structure texture and morphology modulation on efficiency of dye sensitized solar cells	Jadhav, N.A.; Singh, P.K.; Rhee, H.-W.; Pandey, S.P.; Bhattacharya, B.	International Journal of Electrochemical Science
87	Dye sensitized solar cell based on poly(vinyl alcohol) doped with ammonium iodide solid polymer electrolyte	Singh, V.K.; Annu, A.; Singh, U.; Singh, P.; Pandey, S.P.; Bhattacharya, B.; Singh, P.K.	Journal of Optoelectronics and Advanced Materials
88	Integrated energy analysis of space time block codes for energy efficient RF sensor networks	Sachan, V.K.; Imam, S.A.; Khan, M.R.	Telecommunications and Radio Engineering
89	Innovative design of non-convective zone of salt gradient solar pond for optimum thermal performance and stability	Husain, M.; Sharma, G.; Samdarshi, S.K.	Applied Energy
90	Measurement of the size and spacing of standard wire sieves using an image processing system and wavelet transform	Chaudhary, K.P.; Shakher, C.; Singh, S.K.	Mapan - Journal of Metrology Society of India