

EASWARI ENGINEERING COLLEGE
5 YEARS SCOPUS PUBLICATIONS
2023(UP TO JULY)

SI NO	DEPT	Authors	Title	Year	JOURNAL	Volume	Issue	Art. No.	Page start	Page end
1	CSE	Kayalvizhi, S., Nagarajan, S., Deepa, J., Hemapriya, K.	Multi-modal IoT-based medical data processing for disease diagnosis using Heuristic-derived deep learning	2023	Biomedical Signal Processing and Control	85		104889		
2	ECE	Diana, D.C., Jane Carline, M.	Hybrid metaheuristic method of ABC kernel filtering for nonlinear acoustic echo cancellation	2023	Applied Acoustics	210		109443		
3	CSE	Dharaniya, R., Indumathi, J., Kaliraj, V.	A design of movie script generation based on natural language processing by optimized ensemble deep learning with heuristic algorithm	2023	Data and Knowledge Engineering	146		102150		
4	CSE	Om Kumar, C.U., Gajendran, S., Balaji, V., Naveen, A., Sai Balakrishnan, S.	Securing health care data through blockchain enabled collaborative machine learning	2023	Soft Computing	27	14		9941	9954
5	IT	Sowmiya, M., Krishnaveni, S.	IoT enabled prediction of agriculture's plant disease using improved quantum whale optimization DRDNN approach	2023	Measurement: Sensors	27		100812		

6	EIE	Nagarajan, S., Kayalvizhi, S., Subhashini, R., Anitha, V.	Hybrid honey badger-world cup algorithm-based deep learning for malicious intrusion detection in industrial control systems	2023	Computers and Industrial Engineering	180		109166		
7	MECH	Thavasingam, K., Senthil Kumar, A., Sakthimurugan, D., Meenatchisundaram, P.	Synthesis and characterization of fumed silica dispersed bees/carnauba wax-epoxy biocomposite coating: a comparative study	2023	Biomass Conversion and Biorefinery	13	8		7375	7383
8	AUTO	Nallathambi, K., Senthilkumar, C., Elaiyaran, U., Seeman, M.	Effect of process parameters on deposition rate and coating roughness of electro discharge deposition on AA7075 aluminium alloy	2023	International Journal of Lightweight Materials and Manufacture	6	2		238	244
9	CHEM	Jayamoorthy, K., Rajagopalan, N.R., Prakash, S.M., Subash, B., Murugan, G., Dhanalekshmi, K.I., Suresh, S., Sasikala, R., Saravanan, K., Venkatesh Perumal, M.	Catalytic synthesis and characterization of aryl benzimidazole and its interaction with TiO ₂ nanoparticles: ESIPT process	2023	Chemical Physics Impact	6		100184		
10	MECH	Ben Samuel, J., Julyes Jaisingh, S., Ramadoss, R., Maridurai, T.	Mechanical, Wear and Fatigue Behaviour of Neem Oil and Nanosilica Toughened Areca Fibre Reinforced Epoxy Resin Composite	2023	Silicon	15	8		3525	3533

11	MECH	Raju, M., Ramadoss, R., Sezhian, M.V., Mithunkanna, B.	Finite element simulation of the tensile behavior of Ti-6Al-7Nb titanium alloy at elevated temperatures	2023	International Journal on Interactive Design and Manufacturing	17	3		1225	1235
12	PHYSICS	Dhivya, V., Dharshini, R., Sakthipandi, K., Rajkumar, G.	Role of TiO ₂ in modifying elastic moduli and enhancing in vitro bioactivity of fluorophosphate glasses	2023	Journal of Non-Crystalline Solids	608		122250		
13	AIADS	Kollu, V.N., Janarthanan, V., Karupusamy, M., Ramachandran, M.	Cloud-Based Smart Contract Analysis in FinTech Using IoT-Integrated Federated Learning in Intrusion Detection	2023	Data	8	5	83		
14	CSE	Sheeja, R., Iqbal, M.M., Sivasankar, C.	Multi-objective-derived energy efficient routing in wireless sensor network using adaptive black hole-tuna swarm optimization strategy	2023	Ad Hoc Networks	144		103140		
15	PHYSICS	Aruna Rani, S.V., Rajkumar, K., Saravana Karthikeyan, B., Mahalaxmi, S., Rajkumar, G., Dhivya, V.	Micro-Raman spectroscopy analysis of dentin remineralization using eggshell derived nanohydroxyapatite combined with phytosphingosine	2023	Journal of the Mechanical Behavior of Biomedical Materials	141		105748		

16	CHEMISTRY	Krishnamoorthy, R., Singh, M., Anaikutti, P., Paul L, E., Dhanasekaran, S., Sathiah, T.	Design and synthesis of novel N-terminal peptides of integrin and aminopeptidase are new finding for anticancer activity	2023	Bioorganic Chemistry	134		106434		
17	MBA	Sasirekha, S., Karthikeyan, S., Naveenkumar, M.	Degradation of diethyl phthalate using a visible photocatalytic membrane reactor	2023	Biomass Conversion and Biorefinery	13	7		6409	6418
18	CSE	Bibin, C., Sheeja, R., Devarajan, Y., S, M., Ponnappan, V.S., L, N.	Environment impact assessment of agricultural diesel engines utilizing biodiesel derived from phoenix sylvestris oil	2023	Environmental Research	224		115432		
19	CSE	Kingsley, S., Sethukarasi, T.	Flower pollination student psychology optimization-integrated context deep learning and probabilistic-based fusion for image inpainting	2023	International Journal of Wavelets, Multiresolution and Information Processing	21	3	2250050		
20	CHEMISTRY	Prabhu, N.V.	Influence of sulfonated SBA - 15 on fuel cell performance of sulfonated polysulfone electrolyte membranes	2023	High Performance Polymers	35	4		426	436

21	CSE	Chidambaranathan, B., Kumarasami, D.P., Raghavan, S., Sundaram, M.	Thermal and chemical exhaust gas recirculation potential of punnai oil biodiesel-fuelled diesel engine for environmental sustainability	2023	Environmental Science and Pollution Research	30	22		61190	61203
22	EEE	Kumar, C., Lakshmanan, M., Jaisiva, S., Prabaakaran, K., Barua, S., Fayek, H.H.	Reactive power control in renewable rich power grids: A literature review	2023	IET Renewable Power Generation	17	5		1303	1327
23	EIE	Soundararajan, S., Kurangi, C., Basha, A., Uthayakumar, J., Kalaivani, K., Dhamodaran, M., Shukla, N.K.	Metaheuristic Optimization Based Node Localization and Multihop Routing Scheme with Mobile Sink for Wireless Sensor Networks	2023	Wireless Personal Communications	129	4		2583	2605
24	PHYSICS	Lunawat, K., Kavitha, S., Rajkumar, G., Dhivya, V., Ravi Kumar, N., Mahalaxmi, S., Shaik, F.A.	Influence of strontium containing fluorophosphate glass onto structural and mechanical behavior of MTA network	2023	Journal of the Mechanical Behavior of Biomedical Materials	140		105750		
25	ECE	Sathya, T., Sudha, S.	OQCNN: optimal quantum convolutional neural network for classification of facial expression	2023	Neural Computing and Applications	35	12		9017	9033

26	AUTO	Srikanth, S., Senthilkumar, C., Elaiyaran, U.	Modeling and optimization of electro discharge coating parameters for coating of aluminum alloy using WC/Ni electrode	2023	CIRP Journal of Manufacturing Science and Technology	41			465	476
27	EIE	Parvez M, M., Mishra, S.K., Nandini, K., Ahammad, S.H., Inthiyaz, S., Altahan, B.R., Smirani, L.K., Hossain, M.A., Rashed, A.N.Z.	Machine learning based models for defect detection in composites inspected by Barker coded thermography: A qualitative analysis	2023	Advances in Engineering Software	178		103425		
28	PHYSICS	Gurucharan, I., Saravana Karthikeyan, B., Mahalaxmi, S., Baskar, K., Rajkumar, G., Dhivya, V., Kishen, A., Sankaranarayanan, S., Gurucharan, N.	Characterization of nano- hydroxyapatite incorporated carboxymethyl chitosan composite on human dental pulp stem cells	2023	International Endodontic Journal	56	4		486	501
29	MECH	Sudeshkumar, M.P., Ramadoss, R., Jayaseelan, V., Vijayananth, S.	Preparation and Characterization of Amino- Silanized Opuntia Cladode Fibre and Fumed Silica Toughened Epoxy Composite	2023	Silicon	15	6		2963	2972

30	MECH	KG, A., GK, S.K., K, K., Damodaran, A., Chidambaranathan, B.	Calotropis gigantea stem fiber reinforced thermoset plastics: Interlaminar shear strength and related tribomechanical properties	2023	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	237	4		886	905
31	AUTO	Srikanth, S., Senthilkumar, C., Elaiyarasen, U.	Experimental investigation and parametric optimization of electro-discharge coated aluminum alloy by desirability based technique	2023	International Journal on Interactive Design and Manufacturing	17	2		667	677
32	MECH	Sakthimurugan, D., Antony Michael Raj, L., Antony Aroul Raj, V., Sivakumar, N.S.	Wire-cut electrical discharge machining of novel MMCs using silane-treated corn cob biosilica-deionized green dielectric: a cleaner production approach	2023	Biomass Conversion and Biorefinery	13	5		4373	4383
33	MECH	Thavasingam, K., Kumar, A.S., Khan, M.A., Devanand, S., Giridharan, K.	Effect of fumed silica in rice bran wax-epoxy coating on aluminum substrate: mechanical, thermal, and water absorption properties	2023	Biomass Conversion and Biorefinery	13	5		4229	4240
34	MECH	Giridharan, K., Sevvel, P., Gurijala, C., Kumar, B.Y.	Biochar-assisted copper-steel dissimilar friction stir welding: mechanical, fatigue, and microstructure properties	2023	Biomass Conversion and Biorefinery	13	5		4021	4031

35	IT	Brindha Devi, V., Johny Elma, K., Rooban, S., Shajin, F.H.	Self-attention based progressive generative adversarial network optimized with arithmetic optimization algorithm for kidney stone detection	2023	Concurrency and Computation: Practice and Experience	35	6		1	
36	CSE	Jeyaraj, D., Yesudhasan, J., Aliar, A.A.S.	Developing multi-path routing protocol in MANET using hybrid SM-CSBO based on novel multi-objective function	2023	International Journal of Communication Systems	36	4	e5404		
37	MECH	Sambandam, P., Thangaraj, V.K., Selvaraj, M., Krishnan, G., Subbiah, G.	Sustainability improvement by utilizing polymer waste as an energy source for a diesel engine with alcohol additives	2023	Environmental Research and Technology	6	1		35	45
38	EEE	Geethamahalakshmi, G., Ramadas, G., Vijayalakshmi, S., Nageswari, D.	Fuzzy-based Multilevel Inverter with STATCOM in Distributed Generation	2023	SSRG International Journal of Electrical and Electronics Engineering	10	3		35	43
39	MECH	Kumar A, P., Ma, Q.	Evaluation of energy absorption enhancement of additively manufactured polymer composite lattice structures	2023	Functional Composites and Structures	5	1	15005		

40	CSE	Krishnan, V.G., Murthy, K.S., Dhanalakshmi, G., Sankar, K., Lakshmi, S.V., Gowri, B.S.	Pigeon Inspired Optimization Based Centroid Selection in TGVFCMS for Energy- Efficient Wireless Sensor Network	2023	International Journal of Electrical and Electronic Engineering and Telecommunicatio ns	12	2		124	133
41	IT	Kumaran, K., Sasikala, E.	An efficient task offloading and resource allocation using dynamic arithmetic optimized double deep Q- network in cloud edge platform	2023	Peer-to-Peer Networking and Applications	16	2		958	979
42	EEE	Suganthi, S., Karpagam, R.	Dynamic performance improvement of PMSM drive using fuzzy-based adaptive control strategy for EV applications	2023	Journal of Power Electronics	23	3		510	521
43	RA	Sivaraj, S., Rathanasamy, R., Kaliyannan, G.V., Palanisamy, M.	Employing zinc oxide- tantalum pentoxide blend coatings as eminent light harvester for improving performance of silicon solar cell	2023	Bulletin of Materials Science	46	1	16		

44	MECH	Maleki, B., Singh, B., Eamaeili, H., Venkatesh, Y.K., Talesh, S.S.A., Seetharaman, S.	Transesterification of waste cooking oil to biodiesel by walnut shell/sawdust as a novel, low-cost and green heterogeneous catalyst: Optimization via RSM and ANN	2023	Industrial Crops and Products	193		116261		
45	EEE	Vishnupriyan, J., ChayaDevi, S.K., Megala, V., Karpagam, R.	Design and Qualitative Analysis of 5-nm Nanowire TFET with Spacer Engineering	2023	Journal of Electronic Materials	52	3		2094	2099
46	IT	Hema, M., KanagaSubaRaja, S.	A Quantitative Approach to Minimize Energy Consumption in Cloud Data Centres using VM Consolidation Algorithm	2023	KSII Transactions on Internet and Information Systems	17	2		312	334
47	PHYSICS	Malar Wezhli, M., Balamurugan, P., Raju, K., Sevvanthi, S., Irfan, A., Javed, S., Muthu, S.	Quantum computational, spectroscopic, topological investigations and molecular docking studies on piperazine derivatives: A comparative study on Ethyl, Benzene and Furan sulfonyl Piperazine	2023	Journal of Molecular Structure	1274		134324		

48	CIVIL	Prabha, G., Mohan, A., Kumar, R.D., Velrajkumar, G.	Computational Analogies of Polyvinyl Alcohol Fibres Processed Intelligent Systems with Ferrocement Slabs	2023	International Journal of Intelligent Systems and Applications in Engineering	11	4s		313	321
49	CIVIL	Mohan, A., Sudhan, K.	Computational Technologies in Geopolymer Concrete by Partial Replacement of C&D Waste	2023	International Journal of Intelligent Systems and Applications in Engineering	11	4s		282	292
50	CIVIL	Mohan, A., Sharan Kumar, K., Siva, M., Vignesh, M., Ramshankar, P.	GEO-POLYMERISATION OF INDUSTRIAL WASTEUSING CONSTRUCTION AND DEMOLITION WASTE AS FINE AND COARSE AGGREGATE	2023	European Chemical Bulletin	12	2		33	38
51	EIE	Kumar, P.A., Gunasundari, R., Aarthi, R.	Fractional Sailfish Optimizer with Deep Convolution Neural Network for Compressive Sensing Based Magnetic Resonance Image Reconstruction	2023	Computer Journal	66	2		280	294
52	CIVIL	Rajeshkumar, V., Chandrakanthamma, L., Senthil Kumar, M., Gokulan, R.	Enhancement of adsorption efficiency by surface modified Avocado seed for xylene removal	2023	Global Nest Journal	25	3		130	138

53	MECH	Ma, Q., Rejab, M.R.M., Azeem, M., Idris, M.S., Rani, M.F., Kumar, A.P.	Axial and radial crushing behaviour of thin-walled carbon fiber-reinforced polymer tubes fabricated by the real-time winding angle measurement system	2023	Forces in Mechanics	10		100170		
54	CHEMISTRY	Suresh, R., Karthikeyan, N.S., Gnanasekaran, L., Rajendran, S., Soto-Moscoso, M.	Facile synthesis of CuO/g-C ₃ N ₄ nanolayer composites with superior catalytic reductive degradation behavior	2023	Chemosphere	315		137711		
55	CHEMISTRY	Saravanan, K., Shanthi, B., Ravichandran, C., Venkatachalamapathy, B., Sathiyaranayanan, K.I., Rajendran, S., Karthikeyan, N.S., Suresh, R.	Transformation of used aluminium foil food container into AlOOH nanoflakes with high catalytic activity in anionic azo dye reduction	2023	Environmental Research	218		114985		
56	CSE	Kumar, P.H., AnandhaMala, G.S.	HMAC-R: Hash-based message authentication code and Rijndael-based multilevel security model for data storage in cloud environment	2023	Journal of Supercomputing	79	3		3181	3209
57	AUTO	Elaiyaraasan, U., Vinod, B., Nallathambi, K.	Response surface methodology study on electrical discharge deposition of AZ31B magnesium alloy with powder composite electrode	2023	International Journal on Interactive Design and Manufacturing	17	1		435	444

58	IT	Xu, W., Meng, J., Kanaga Suba Raja, S., Padma Priya, M., Kiruthiga Devi, M.	Artificial intelligence in constructing personalized and accurate feedback systems for students	2023	International Journal of Modeling, Simulation, and Scientific Computing	14	1	2341001		
59	MECH	M, P., R, K., Mohideen, S.R., Sivasankaran, S., Vlahović, M.	A comparative study on X-ray peak broadening analysis of mechanically alloyed Al2O3 particles dispersion strengthened Al 7017 alloy	2023	Materials Chemistry and Physics	294		127015		
60	PHYSICS	Bhaskaram, D.S., Govindaraj, G.	Small Polaron Hopping to Efros-Shklovskii-Like Variable Range Hopping Transition in Graphene-Wrapped V2O5 Nanoparticles: The Roleplay of the Mott Gap	2023	Journal of Physical Chemistry C	127	1		550	561
61	AIADS	Thanupillai, K.S., Kamal Basha, R.	Pulse coupled neural network optimized with chaotic grey wolf algorithm for breast cancer classification using mammogram images	2023	Concurrency and Computation: Practice and Experience	35	1	e7448		

62	EIE	Bhavani, S., Nandini, K., Muthucumaraswamy, R., Chithambaram, V., Shanmugan, S.	Precise Fourier series and fuzzification method analysis of standardized thermal energy of solar box cooker performance: economic and environmental studies	2023	Environmental Science and Pollution Research					
63	IT	Reena Roy, R., Shanmugam, L., Vinothini, A., Venkatachalam, N., Sumathy, G., Murugeshan, B., Mercy Rajaselvi Beaulah, P., Kerga, G.A.	Investigation of the Wear Behavior of AA6063/Zirconium Oxide Nanocomposites Using Hybrid Machine Learning Algorithms	2023	Journal of Chemistry	2023	7571588			
64	CSE	Krishnan, V.G., Navaneethakrishnan, M., Ganesan, S., Saradhi, M.V.V., Hemapriya, K., Selvaraj, D., Deepa, J., Murthy, K.S., Doss, S.	Optimized IANSegNet: Deep Segmentation for the Detection of Inferior Alveolar Nerve Canal	2023	BioMed Research International	2023	6431692			
65	BME	Sofia Bobby, J., Suresh Chander Kapali, B., Kumar, U.S., Femina, M.A.	QCBO-WSVM: Quantum chaos butterfly optimization-based weighted support vector machine for neuropathic pain detection from EEG signal	2023	International Journal of Imaging Systems and Technology					

66	IT	Ramkumar , G., Krishnamoorthi, V., Ayub Khan, A.K., Ahammad, S.H., Hossain, M.A., Zaki Rashed, A.N., Aabdelhamid, H.S.	Study of the performance signature based ternary and quaternary III-V compounds for laser diodes in optical communication system	2023	Journal of Optical Communications						
67	CSE	Parimala Kanaga Devan, K., Anandha Mala, G.S.	An optimal detection of fake news from Twitter data using dual-stage deep capsule autoencoder	2023	Journal of Experimental and Theoretical Artificial Intelligence						
68	CSE	Babu, D.V., Basha, S.A., Kavitha, D., Nisha, A.S.A., Vallabhuni, R.R., Radha, N.	Digital code modulation-based MIMO system for underwater localization and navigation using MAP algorithm	2023	Soft Computing						
69	CIVIL	Mohan, A., Velrajkumar, G., Prabha, G., Dinesh Kumar, R., Vijayan, D.S., Ajith, J.	NON-DESTRUCTIVE TEST ON REINFORCED CONCRETE CORRODED COLUMNS PRODUCED WITH FLYASH	2023	Journal of Environmental Protection and Ecology	24	1		114	125	

70	CHEM	Gnanarathinam, V.S., Balakrishnan, A., Rajendran, G., Arivarasu, A., Dharmalingam, S., Thalaivarisai Balasundaram, S., Narayanaswamy Venkatesan, P., Ulaganatha Perumal, E.P.	Reduction of hexavalent chromium using sulphonated polyether ether ketone as proton exchange membrane in microbial fuel cells	2023	Environmental Progress and Sustainable Energy					
71	MECH	Devarajan, Y., Munuswamy, N.B., Subbiah, G., Hariharan, G.	Detailed studies on employing fish canning waste as a partial alternative in a research diesel engine: Waste to energy initiation	2023	Environmental Progress and Sustainable Energy					
72	AUTO & IT	Sathiyamurthy, S., Vinoth, V., Ananthi, N., Devi, P.	The effect of fiber stacking sequence on mechanical and morphological behavior of paddy straw/pineapple leaf fiber-reinforced ortho-laminated polyester hybrid composites	2023	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					

73	AIADS	Venkatachalam, N., Shanmugam, L., Heltin Genitha, C., Kumar, S.	Automated Breast Boundary Segmentation to Improve the Accuracy of Identifying Abnormalities in Breast Thermograms	2023	IETE Journal of Research					
74	MECH	Xavier, J.F., Ramadoss, R., Duraimurugan, P., Jayaseelan, V.	Subsequent alkali-silane treated cellulose-free veld grape fiber and Ziziphus jujuba microparticle epoxy composite: characterization study	2023	Biomass Conversion and Biorefinery					
75	EEE	Nancy Mary, J.S., Mala, K.	Optimized PV Fed Zeta Converter Integrated with MPPT Algorithm for Islanding Mode Operation	2023	Electric Power Components and Systems					
76	EIE	Chinthamani, B., Kavitha, S., Bhuvaneswari, N.S., Shanker, N.R.	Induction Motor Torque Prediction Using Dual Function Radar Received Polarised Signals and Machine Learning Algorithm	2023	Journal of Electrical Engineering and Technology					

77	MECH	Ruth Isabels, K., Naresh Babu, M., Anandan, V., Arul Freeda Vinodhini, G.	Ionic liquids assisted LQL for turning PH steels: smart methodology	2023	Materials and Manufacturing Processes					
78	AUTO	Saravanan, G., Bhaskar, G.B., Elaiyarasran, U., Alagu, R.M.	A study on mechanical and microstructure behaviour of carbon and glass fibre reinforced Al 2024-T3 laminated composite	2023	Metallurgical Research and Technology	120	2	203		
79	RA	Rathanasamy, R., Kaliyannan, G.V., Sivaraj, S., Muthiah, E., Khaan, A.A.A., Ravichandran, D., Uddin, M.E.	Effect of Molybdenum Disulphide Thin Films on Enhancing the Performance of Polycrystalline Silicon Solar Cells	2023	International Journal of Photoenergy	2023		8532250		
80	MECH	Pushparaj, J.P., Jeremiah, R., Solomon, I.J., Ahamed Ali, S., Vindhya, A.S., Jayabalan, C., De Poures, M.V., Bayisa Abdeta, D.	Taguchi-Based Artificial Neural Network Modeling of Friction Process on Aluminum Alloy Reinforced with SiC Nanoparticles	2023	Journal of Nanomaterials	2023		3258173		
81	MECH	Palani, T., Esakkimuthu, G.S., Dhamodaran, G., Seetharaman, S.	Experimental study on dual oxygenates (ethanol, n-butanol) with gasoline on MPFI engine performance and emission characteristics	2023	International Journal of Environmental Science and Technology					

82	ECE	Vanaja, S., Preetha, R., Joselin Jeya Sheela, J., Durga Devi, K., Warrier, G.S., Krishnan, R.	Location of Early Stage Tumor Detection using Microwave Imaging in the Breast Phantom	2023	Current Medical Imaging	19	2		158	166
83	CIVIL	Gopalakrishnan, R., Velrajkumar, G., Sivasankar, S., Dhal, L., Purushothaman, D.	Numerical analysis of construction and demolition (C&D) waste-based geopolymers concrete beams with partially replaced coarse aggregate	2023	European Journal of Environmental and Civil Engineering					
84	RA	Mugilan, T., Sridhar, N., Santhosh, S., Teddy Jefri, G., Yokesh, K.S.	Optimization of DEFORM-3D simulated drilling of UNSS31603-steel by integrated MOORA coupled PCA technique	2023	Materials Today: Proceedings					
85	MECH	A, P.K., K.G, A.	Effect of the number of stiffeners on the lateral deformation behavior of additively manufactured thin-walled cylindrical tubes	2023	Mechanics of Advanced Materials and Structures					
86	MECH	Babu, M., Babu, M.N., Sekar, S.D.	Effect of silane-treated nanosilica on the grape seed oil-blended epoxy nanocomposite coating and its characterization	2023	Biomass Conversion and Biorefinery					

87	CSE	Saravanan, A., Thirumurugan, P., Rajeshkannan, S., Sridhar, S.	Effect of corn cob carbon quantum dots and areca husk microfiber on EMI shielding effectiveness of flexible PVA thin film at 8-20GHz frequency bands	2023	Biomass Conversion and Biorefinery						
88	MBA	Saikumari, V., Sunitha, V.	Women Entrepreneurship Index Prediction Model with Automated Statistical Analysis	2023	Intelligent Automation and Soft Computing	36	2		1797	1810	
89	MECH	Padmanabhan, S., Vinod Kumar, T., Thiagarajan, S., Gopi Krishna, B., Sudheer, K.	Investigation of lightweight wheel design using alloy materials through structural analysis	2023	Materials Today: Proceedings						
90	CSE	Deepa, J., Ali, S.A., Hemamalini, S.	Intelligent energy efficient vehicle automation system with sensible edge processing protocol in Internet of Vehicles using hybrid optimization strategy	2023	Wireless Networks						

91	AIADS	Revathi, K.P., Manikandan, T.	A Smart and Secured Approach for Children's Health Monitoring Using Machine Learning Techniques Enhancing Data Privacy	2023	IETE Journal of Research	69	3		1210	1221
92	CHEMISTRY	Balasubramanian, S., Kanagarathinam, S., Cingaram, R., Bakthavachalam, V., Kulathu Iyer, S., Rajendran, S., Natesan Sundaramurthy, K., Ranganathan, S.	Waste toner-derived porous iron oxide pigments with enhanced catalytic degradation property	2023	Environmental Research	216		114695		
93	MECH	Babu, M., Anusha, N., Bapu, B.R.T., Yuvaraj, R.	Electromagnetic interference shielding behavior of flexible PVA composite of tunicated onion bulb biochar/Co/carbon fiber shielding composite: effects on X and Ku band frequencies	2023	Biomass Conversion and Biorefinery	13	1		409	416

94	CIVIL	Pandian, H., Senthilkumar, Ratnam M, V., M, N., S, S.	Azadirachta indica leaf extract mediated silver nanoparticles impregnated nano composite film (AgNP/MCC/starch/whey protein) for food packaging applications	2023	Environmental Research	216		114641		
95	IT & ECE	Gnanapriya, S., Rahimunnisa, K.	A Hybrid Deep Learning Model for Real Time Hand Gestures Recognition	2023	Intelligent Automation and Soft Computing	36	1		1105	1119
96	MECH	Suyambazhahan, S., Sundararajan, T., Das, S.K.	Computational Analysis of Thermal Striping in Primary Sodium System of Liquid Metal Fast Breeder Reactor Using Finite Volume Method	2023	Nuclear Science and Engineering	197	3		413	427

97	MECH	Radhakrishnan, G., Mathialagan, S., Shankaranarayanan, S., Paulmar Pushparaj, J.	Investigation on the machinability of TiN nano particulate reinforced magnesium matrix composite	2023	Materials Today: Proceedings	72			2281	2288
98	MECH	Ma, Q., Rejab, M.R.M., Azman, O., Aleem, S.A.A., Tung, N.A., Asan, S.K., Rahim, S.R.A., Praveen Kumar, A.	Development of the real- time winding angle measurement device for the laboratory-scale 3-axis winding machine	2023	Materials Today: Proceedings	74			8	14
99	Physics	Srinivasan, B., Kolanthai, E., Nivethaa, E.A.K., Pandian, M.S., Ramasamy, P., Catalani, L.H., Kalkura, S.N.	Enhanced in vitro inhibition of MCF-7 and magnetic properties of cobalt incorporated calcium phosphate (HAp and β -TCP) nanoparticles	2023	Ceramics International	49	1		855	861

100	BME	Manikandan, T., Karthikeyan, S., Jai Jaganath Babu, J., Babu, G.	Adaptive Fuzzy Logic Despeckling in Non- Subsampled Contourlet Transformed Ultrasound Pictures	2023	Intelligent Automation and Soft Computing	35	3		2755	2771
101	EIE	Punithavathi, R., Rani, A.D.C., Sughashini, K.R., Kurangi, C., Nirmala, M., Ahmed, H.F.T., Balamurugan, S.P.	Computer Vision and Deep Learning-enabled Weed Detection Model for Precision Agriculture	2023	Computer Systems Science and Engineering	44	3		2759	2774
102	CHEMIS TRY	Govindhan, P., Prabhu, N.V., Edison Chandraseelan, R., Dharmendra Kumar, M.	Green diesel production from Karanja oil using mesoporous Ba(HPW12O40) solid acid catalyst	2023	Petroleum Science and Technology	41	15		1526	1545

103	CSE	Bhavadharini, R.M., Karthik, S.	Blockchain Enabled Metaheuristic Cluster Based Routing Model for Wireless Networks	2023	Computer Systems Science and Engineering	44	2		1233	1250
104	CSE	Padmavathi, B., Muthukumar, B.	An efficient botnet detection approach based on feature learning and classification	2023	Journal of Control and Decision	10	1		40	53
105	AUTO	Kulothungan, S., Lakshmanan, P., Palani, S., Sathiyamurthy, S.	Micro-hexagonal Profile Making on Alloy276 by Fiber Laser: Desirability Approach	2023	Materials and Manufacturing Processes	38	5		608	617
106	MECH	Babu, M., Bapu, B.R.T., Muruganantham, P., Anita, R., Nagaraju, V., Kumar, P.J.S.	Role of cashew shell biochar on EMI shielding behaviour of carbon fibre-epoxy nanocomposites in E, F, I and J band-microwave frequencies	2023	Biomass Conversion and Biorefinery	13	1		375	382

2022

SI NO	DEPT	Authors	Title	Year	JOURNAL	Volume	Issue	Art. No.	Page start	Page end
1	MECH	Suresh Kumar, S., Sarankumar, R., Vignesh, O., Prakash, A.	Bilateral anisotropic Gabor wavelet transformation based deep stacked auto encoding for lossless image compression	2022	Concurrency and Computation: Practice and Experience	34	28	e7383		
2	MECH	Babu, M.N., Anandan, V., Yıldırım, Ç.V., Babu, M.D., Sarıkaya, M.	Investigation of the characteristic properties of graphene-based nanofluid and its effect on the turning performance of Hastelloy C276 alloy	2022	Wear	510-511		204495		
3	PHYSICS	Biswal, S., Bhaskaram, D.S., Govindaraj, G.	Magnetism and Raman Investigations of Hydrothermally Reduced Graphene Oxide-Incorporated α -Fe ₂ O ₃ Nanocomposites: The Role of Temperature-Dependent Charge Transfer-Induced Interfacial Interactions	2022	Journal of Physical Chemistry C	126	48		20456	20469

4	MECH	Padmanabhan, S., Kumar, T.V., Giridharan, K., Stalin, B., Nagaprasad, N., Jule, L.T., Ramaswamy, K.	An analysis of environment effect on ethanol blends with plastic fuel and blend optimization using a full factorial design	2022	Scientific Reports	12	1	21719		
5	MECH	Lilly, R., Prabhakaran, S., Giridharan, K., Sambandam, P., Stalin, B., Subhashini, S.J., Nagaprasad, N., Jule, L.T., Ramaswamy, K.	Efficiency of Ferritin bio-nanomaterial in reducing the pollutants level of water in the underground corridors of metro rail using GIS	2022	Scientific Reports	12	1	20301		
6	MECH	Babu, M.N., Anandan, V., Parthasarathi, N.L., Yildirim, C.V., Babu, M.D., Das, S.R.	Performance analysis in turning of D3 tool steel using silver nanoplatelets as additives under MQL	2022	Journal of the Brazilian Society of Mechanical Sciences and Engineering	44	12	591		
7	MECH	Yuvaraj, S., Venkatesh Raja, K., Bakkiyaraj, M., Malayalamurthi, R., Magibalan, S., Thavasingam, K., Muralidharan, K.	Experimental assessment on the contact characteristics of 3D printed flexible poly lactic acid (PLA) soft fingertips	2022	International Journal of Materials Research	113	12	1033	1044	

8	IT	Lavanya, P.M., Sasikala, E.	Auto capture on drug text detection in social media through NLP from the heterogeneous data	2022	Measurement: Sensors	24		100550		
9	IT	Deepika, P., Arthi, B.	Prediction of plant pest detection using improved mask FRCNN in cloud environment	2022	Measurement: Sensors	24		100549		
10	MECH	Prashanth, M., Karunanithi, R., Sivasankaran, S., Villarejo, L.P.	Grain refinement and mechanical properties enhancement on inclusion of Al ₂ O ₃ in AA 7017 alloy synthesized by mechanical alloying (MA) and hot pressing (HP)	2022	Materials Today Communications	33		104735		
11	CSE	Sheela A, J., M, G., Raj Kumar, V.S., Prabu V, C., Vidya M, Q.M.	A hybrid DL with the Internet of Things to monitor human activities using wearable sensors	2022	Measurement: Sensors	24		100496		
12	MECH	Ma, Q., Rejab, M.R.M., Hassan, S.A., Hu, H., Kumar, A.P.	Potentiality of MWCNT on 3D-printed bio-inspired spherical-roof cubic core under quasi-static loading	2022	Journal of the Mechanical Behavior of Biomedical Materials	136		105514		
13	IT	Kumaran, K., Sasikala, E.	Computational access point selection based on resource allocation optimization to reduce the edge computing latency	2022	Measurement: Sensors	24		100444		

14	EEE	J, L., S, L.S.V., R, M., R, M.	Automated food grain monitoring system for warehouse using IOT	2022	Measurement: Sensors	24		100472		
15	AUTO	Vinod, B., Suresh, S., Reddy, S.S.K., Sudhakara, D., Elaiyarasran, U.U.	Synthesis of Alfa (<i>Stipa tenacissima</i> L.)/Hemp Fiber-Reinforced UHMWPE: Impact of Fibers on Mechanical, Microstructural and Aspect Properties	2022	Journal of The Institution of Engineers (India): Series D	103	2		611	620
16	MECH	Padmanabhan, S., Giridharan, K., Stalin, B., Kumaran, S., Kavimani, V., Nagaprasad, N., Tesfaye Jule, L., Krishnaraj, R.	Energy recovery of waste plastics into diesel fuel with ethanol and ethoxy ethyl acetate additives on circular economy strategy	2022	Scientific Reports	12	1	5330		
17	Physics	Vijayakumari, P., Mathew, R., Vijayalakshmi, D., Sivakmar, R.	Dual elliptical core-based photonic crystal sensor for detection of ultra-low-level bioethanol concentration	2022	Journal of Optics (India)	51	4		903	909
18	MECH	Sureshkumar, K.R., Yadav, P.R., Karthikeyan, K., Nagachandrika, K.K., Sadasivan, N., Gnaneswaran, N., Hariharan, M.G., Kalaiselvam, S.	Effects of Hybrid Nanoparticles on Thermophysical Property of Cu-TiO ₂ Embedded Palmitic Phase Change Material for Energy Storage Applications	2022	International Journal of Vehicle Structures and Systems	14	4		433	436

19	MECH, AUTO	Hariharan, C., Prakash, S.A., Yadav, S.P.R., Latha, K., Aroul Raj, V.A.	Energy Conservation Studies in an Air- Conditioning System of a Battery-Operated Electric Bus using CFD	2022	International Journal of Vehicle Structures and Systems	14	4		437	445
20	MECH	Naga Chandrika, K.K., Karthikeyan, K., Velmurugan, Sureshkumar, K.R., Thiagarajan, S.	Investigation of CI Engine Performance and Emission Characteristics of Biodiesel Blend with Aluminium Oxide	2022	International Journal of Vehicle Structures and Systems	14	4		429	432
21	MECH	Sathyaranarayanan, S., Suresh, S., Saravanan, C.G., Vikneswaran, M., Dhamodaran, G., Sonthalia, A., Josephin, J.S.F., Varuvel, E.G.	Experimental investigation and performance prediction of gasoline engine operating parameters fueled with diisopropyl ether-gasoline blends: Response surface methodology based optimization	2022	Journal of Cleaner Production	375		133941		
22	MECH	Sakthipandi, K., Ganesh Babu, B., Rajkumar, G., Hossian, A., Srinidhi Raghavan, M., Rajesh Kumar, M.	Investigation of magnetic phase transitions in $\text{Ni}_{0.5}\text{Cu}_{0.25}\text{Zn}_{0.25}\text{Fe}_{2-x}\text{La}_x\text{O}_4$ nanoferrites using magnetic and in-situ ultrasonic measurements	2022	Physica B: Condensed Matter	645		414280		

23	RA	Sivaraj, S., Rathanasamy, R., Kaliyannan, G.V., Panchal, H., Jawad Alrubaie, A., Musa Jaber, M., Said, Z., Memon, S.	A Comprehensive Review on Current Performance, Challenges and Progress in Thin-Film Solar Cells	2022	Energies	15	22	8688		
24	EIE	Partheepan, R., Perinbam, J.R.P., Krishnamurthy, M., Shanker, N.R., Kumari, S.K., Chinthamani, B.	Visualization of occipital lobe and zygomatic arch of brain region through non-linear perspective projection using DCO algorithm	2022	Soft Computing	26	21		11599	11610
25	MECH	Subbiah, R., Arivumangai, A., Kaliappan, S., Balaji, V., Yuvaraj, G., P. Patil, P.	Effect of nanosilica on mechanical, thermal, fatigue, and antimicrobial properties of cardanol oil/sisal fiber reinforced epoxy composite	2022	Polymer Composites	43	11		7940	7951
26	ECE	Kirankumar, M., Santhi, M.	Accomplishment of Reversible Logic Gates in WSN Environment by Patternization	2022	Wireless Personal Communications	127	2		1137	1155

27	ECE	Kumar, S.A.P., Nair, R.R., Kannan, E., Suresh, A., Raj Anand, S.	Intelligent Vehicle Parking System (IVPS) Using Wireless Sensor Networks	2022	Wireless Personal Communications	127	1		679	694
28	CSE	Dharaniya, R., Indumathi, J., Uma, G.V.	Automatic scene generation using sentiment analysis and bidirectional recurrent neural network with multi-head attention	2022	Neural Computing and Applications	34	19		16945	16958
29	MATHS	Prabhu, S., Deepa, S., Elavarasan, R.M., Hossain, E.	Optimal PMU placement problem in octahedral networks	2022	RAIRO - Operations Research	56	5		3449	3459
30	EEE	Kesavan, T., Lakshmi, K.	Optimization of a Renewable Energy Source-Based Virtual Power Plant for Electrical Energy Management in an Unbalanced Distribution Network	2022	Sustainability (Switzerland)	14	18	11129		
31	BME	Kala, K., Padmasini, N., Kapali, B.S.C., Kuppusamy, P.G.	A new framework for object detection using fastcnn-Naïve Bayes classifier for remote sensing image extraction	2022	Earth Science Informatics	15	3		1779	1787

32	CSE	Hari Kumar, P., Mala, G.S.A.	H2RUN: An efficient vendor lock-in solution for multi-cloud environment using horse herd Runge Kutta based data placement optimization	2022	Transactions on Emerging Telecommunications Technologies	33	9	e4541		
33	PHYSICS, EEE	Dhivya, V., Rajkumar, G., Mahalaxmi, S., Rajkumar, K., Saravana Karthikeyan, B., Kavitha, S., Karpagam, R., Sakthipandi, K., Sathishkumar, G.K.	Impact of silver on fluorophosphate glasses to improve in vitro bioactivity and antibacterial efficacy	2022	Ceramics International	48	17		25346	25354
34	EIE	Indumathy, M., Sobana, S., Panda, B., Panda, R.C.	Modelling and control of plate heat exchanger with continuous high-temperature short time milk pasteurization process - A review	2022	Chemical Engineering Journal Advances	11		100305		
35	MECH	Vijaya Rajan, V., Gnanavel, B.K.	An experimental investigation on enhancing the strength and stiffness of GFRP co-cured composite joint: effect of glass powder addition	2022	Materials Research Express	9	8	85301		

36	ECE	Munuswamy, D.B., Devarajan, Y., Ramalingam, S., Subramani, S., Munuswamy, N.B.	Critical Review on Effects of Alcohols and Nanoadditives on Performance and Emission in Low-Temperature Combustion Engines: Advances and Perspectives	2022	Energy and Fuels	36	14		7245	7268
37	MATHS	Prabhu, S., Deepa, S., Arulperumjothi, M., Susilowati, L., Liu, J.-B.	Resolving-power domination number of probabilistic neural networks	2022	Journal of Intelligent and Fuzzy Systems	43	5		6253	6263
38	AIADS	Akbar, S.B., Thanupillai, K., Sundararaj, S.	Combining the advantages of AlexNet convolutional deep neural network optimized with anopheles search algorithm based feature extraction and random forest classifier for COVID-19 classification	2022	Concurrency and Computation: Practice and Experience	34	15	e6958		
39	MECH	Chakravarthi, G., Giridharan, K., Stalin, B., Padmanabhan, S., Sekar, S., Nagaprasad, N., Jule, L.T., Krishnaraj, R.	Investigation on the effect of process parameters on mechanical and microstructural properties of AA8011 similar FSW weld joints	2022	Advances in Mechanical Engineering	14	7			

40	PHYSICS	Panchatcharam, P., Mathew, S.A., Saminathan, D., Vengidusamy, N., Arumainathan, S.	Peltophorum pterocarpum-derived microporous activated carbon conjugated with polycarbazole for synergistic performance in supercapacitor application	2022	Ionics	28	7		3511	3524
41	IT	Vivekanandan, M., Kanaga Suba Raja, S.	Virtex-II Pro FPGA Based Smart Agricultural System	2022	Wireless Personal Communications	125	1		119	141
42	AUTO	Palanichamy, R., LakshmiPathy, J., Raju, M., Paulraj, A., Sivakumar, J., Sathiyavelu, V.	Investigation of Microstructural, Mechanical and Tribological Properties of Al8011-TiC Metal Matrix Nano-Composites	2022	International Journal of Vehicle Structures and Systems	14	3		323	327
43	MECH	Prasanna Raj Yadav, S., Sureshkumar, K., Ganesh, B.V., Aravindkumar, M., Gnanaprakash, A.	Characteristics of a CRDI Engine Fuelled by Waste Transformer Oil with High Fuel Injection Pressure	2022	International Journal of Vehicle Structures and Systems	14	3		342	347
44	MECH	Joel, C., Joel, L., Athi Sankar, P.	Investigation and Optimization of Process Parameters of Abrasive Water Jet Cutting on C360 Brass Alloy through Design of Experiments	2022	International Journal of Vehicle Structures and Systems	14	3		387	390

45	ECE	Devaraj, A., Bharath, N., Nagappan, M., Yogaraj, D.	Emission Trends on an Unmodified Research Engine Run with Alcohol and Cashew-Nut Blends	2022	International Journal of Vehicle Structures and Systems	14	3		371	373
46	AUTO	Saravanakumar, S., Selvarasu, S., Babu, T., Kamaleshkumar, R., Dineshkumar, V.	Analysis on Ackermann Error of Steering System using Variable Length Tie-Rod mechanism	2022	International Journal of Vehicle Structures and Systems	14	3		374	378
47	MECH	Ashok, K.G., Gopinath, B., Raju, M., Kasirajan, G.	Mechanical Performance of Luffa Fiber Reinforced Polypropylene Composites using Injection Moulding	2022	International Journal of Vehicle Structures and Systems	14	3		362	366
48	MECH	Padmanabhan, S., Karthikeyan, K., Nagachandrika, K.K., Giridharan, K., Chakravarthi, G.	Evaluation and Optimization of Plastic Pyrolysis Blends Performance on Diesel Engine with Ethanol Additive using Full Factorial Design	2022	International Journal of Vehicle Structures and Systems	14	3		348	355

49	MECH	Jeremiah, R., Pushparaj, J.P., Leonard, A.J., Lokeshkumar, P.J., Ameen, J.F.	Optimization of Parameters to Improve Effectiveness of Plate and Fin Heat Exchangers using Taguchi Method and CFD Analysis	2022	International Journal of Vehicle Structures and Systems	14	3		397	400
50	MECH, AUTO	Hariharan, C., Gunadevan, D., Arun Prakash, S., Latha, K., Antony Aroul Raj, V., Velraj, R.	Simulation of battery energy consumption in an electric car with traction and HVAC model for a given source and destination for reducing the range anxiety of the driver	2022	Energy	249		123657		
51	CSE	Om Kumar, C.U., Durairaj, J., Ahamed Ali, S.A., Justindhas, Y., Marappan, S.	Effective intrusion detection system for IoT using optimized capsule auto encoder model	2022	Concurrency and Computation: Practice and Experience	34	13	e6918		

52	AUTO	Rajaravi, C., Elaiyarasan, U., Gobalakrishnan, B., Ganapathy Srinivasan, R.	Surface roughness and microstructure analysis on drilling of titanium diboride in-situ aluminium metal matrix composite	2022	Surface Topography: Metrology and Properties	10	2	25034		
53	CSE	Aliar, A.A.S., Yesudhasan, J., Alagarsamy, M., Anbalagan, K., Sakkrai, J., Suriyan, K.	A comprehensive analysis on IoT based smart farming solutions using machine learning algorithms	2022	Bulletin of Electrical Engineering and Informatics	11	3		1550	1557
54	AUTO	Elaiyarasan, U., Satheeshkumar, V., Senthilkumar, C., Nandakumar, C.	Mathematical and artificial neural network model in composite electrode assisted electrical discharge coating	2022	Surface Topography: Metrology and Properties	10	2	25004		
55	MATHS	Arulmozhi, S., Sukkiramathi, K., Santra, S.S., Edwan, R., Fernandez-Gamiz, U., Noeaghdam, S.	Heat and mass transfer analysis of radiative and chemical reactive effects on MHD nanofluid over an infinite moving vertical plate	2022	Results in Engineering	14		100394		

56	MECH	Ashok, K.G., Kani, K.	Experimental studies on interlaminar shear strength and dynamic mechanical analysis of luffa fiber epoxy composites with nano PbO addition	2022	Journal of Industrial Textiles	51	3_suppl		3829S	3854S
57	EEE	Samuel, A., Krishnamoorthy, M., Ananthan, B., Subramanian, K., Murugesan, K.P.	Application of Metaheuristic Algorithms for Solving Real-World Electricity Demand Forecasting and Generation Expansion Planning Problems	2022	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	46	2		413	439
58	Physics	Ningombam, G.S., Srinivasan, B., Chidananda, A.H., Kalkura, S.N., Sharma, Y., Singh, N.R.	Polymer modified magnetic-luminescent nanocomposites for combined optical imaging and magnetic fluid hyperthermia in cancer therapy: analysis of Mn ²⁺ doping for enhanced heating effect, hemocompatibility and biocompatibility	2022	Dalton Transactions	51	21		8510	8524

59	ECE	Naganathan, S.B.T., Dhandapani, S.	Solar Cell Integrated Wearable Patch Antenna on Artificial Magnetic Conductor for On-Body and In-Body Communications	2022	Applied Computational Electromagnetics Society Journal	37	5		576	587
60	EEE	Kumar, S., Sethuraman, C., Chandru, G.	Design and Development of Micro Off-grid Inverter for Solar Photovoltaic System using Proteus Simulation	2022	Journal of Scientific and Industrial Research	81	5		530	539
61	IT	Pushpa, S.X., Raja, S.K.S.	Elliptic Curve Cryptography Based Authentication Protocol Enabled with Optimized Neural Network Based DoS Mitigation	2022	Wireless Personal Communications	124	1			
62	MECH	Saravanan, C.G., Vikneswaran, M., Prasanna Raj Yadav, S., Edwin Geo, V., Sasikala, J., Ashok, K., Muthukumaran, N.	Experimental study of feasibility of orange peel oil as a partial replacement for gasoline fuel in SI engine with and without MAO coated piston	2022	Fuel	315		123173		

63	MECH, AUTO	Arumugam, P., Vellaichamy, P., Ramalingam, V., Arun Prakash, S., Antony Aroul Raj, V.	A pathway towards healthy and naturally ventilated indoor built environment through phase change material and insulation techniques for office buildings in India	2022	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy	236	3		555	574
64	IT, AUTO	Ananthi, N., Elaiyarasan, U., Satheeshkumar, V., Senthilkumar, C., Sathiyamurthy, S.	Effect of wc-cu composite electrodes on material deposition rate, microhardness and microstructure of electrical discharge coated magnesium alloy	2022	Surface Review and Letters	29	4	2250050		
65	CSE	Bhavadharini, R.M., Karthik, S., Sabitha, R.	An energy-efficient priority-based packet scheduling mechanism for enhancing quality of service in mobile ad hoc network	2022	Concurrency and Computation: Practice and Experience	34	6	e6784		

66	MECH	Prathebha, K., Raju, K., Hegde, T.A., Vinitha, G.	Computation and experimental results on spectroscopic and physicochemical properties of efficient piperidine driven passive optical limiting material	2022	Physica Scripta	97	3	35804		
67	EC	Madhusudanan, V., Srinivas, M.N., Nwokoye, C.H., Murthy, B.S.N., Sridhar, S.	HOPF- bifurcation analysis of delayed computer virus model with holling type iii incidence function and treatment	2022	Scientific African	15		e01125		
68	CSE	Feroz Khan, A.B., R, H.L., Kalpana Devi, S., Rajalakshmi, C.N.	A multi-attribute based trusted routing for embedded devices in MANET-IoT	2022	Microprocessors and Microsystems	89		104446		
69	ECE	Vidya, P.M., Sudha, S.	A fully integrated VLSI architecture using chaotic PWM for RF transmitter design with electromagnetic interference reduction	2022	Integration	83			33	45

70	MECH	Praveen Kumar, R., Raj, J.S., Smys, S.	Performance Analysis of Hybrid Optimization Algorithm for Virtual Head Selection in Wireless Sensor Networks	2022	Wireless Personal Communications	123	2		1925	1940
71	EEE	Lydia, J., Karpagam, R., Murugan, R.	A Novel Technique for Dynamic Analysis of an Electromagnetic Rail Launcher using FEM Coupled with Simplorer	2022	Applied Computational Electromagnetics Society Journal	37	2		229	237
72	IT	Naveed, S., Geetha, G., Leninisha, S.	Early Diabetes Discovery from Tongue Images	2022	Computer Journal	65	2		237	250
73	EEE	Kumar, P.M., Saravananumar, R., Karthick, A., Mohanavel, V.	Artificial neural network-based output power prediction of grid-connected semitransparent photovoltaic system	2022	Environmental Science and Pollution Research	29	7		10173	10182
74	CSE	Hussain, M.M., Kalpana Devi, S.	DISEASE FORECAST USING MACHINE LEARNING ALGORITHMS	2022	Journal of Applied Mathematics and Informatics	40	45052		1151	1165

75	CIVIL	Prabha, G., Mohan, A., Chithra, M.	FLEXURAL BEHAVIOUR OF FERROCEMENT SLAB PANELS WITH POLYVINYL ALCOHOL FIBRES	2022	Journal of the Balkan Tribological Association	28	5		704	717
76	CSE	Bhanumathi, M., Dhanya, S., Gugan, R., Kirthika, K.G.	Marine Plastic Detection Using Deep Learning	2022	Advances in Parallel Computing	41	1		406	413
77	MECH	Pushpanathan, D.P., Yuvaraj, G., Banu, A.S., Elango, V.	Effect of Process Parameters on the Microstructure and Mechanical Properties of Friction Stir Welded Copper-MWCNT Joints	2022	International Journal of Vehicle Structures and Systems	14	4		417	420
78	CSE	Samsu Aliar, A.A., Agoramoorthy, M., Justindhas, Y.	An Automated Detection of DDoS Attack in Cloud Using Optimized Weighted Fused Features and Hybrid DBN-GRU Architecture	2022	Cybernetics and Systems					
79	EEE	Saravanan, T.S., Indu Sailaja, K.A., Kumar, P.M., Suba, G.M., Rajan, K.P.	Modelling and Analysis of Non-ideal Two stage Lift Luo Converter with Positive Output	2022	International Journal of Electrical and Electronics Research	10	4		1115	1120

80	CSE	Dharaniya, R., Indumathi, J., Uma, G.V.	Bidirectional recurrent neural network with multi-head attention for automatic scene generation using sentiment analysis	2022	Journal of Intelligent and Fuzzy Systems	43	6		7023	7039
81	MECH	Pathmanaban, P., Gnanavel, B.K., Anandan, S.S.	Guava fruit (<i>Psidium guajava</i>) damage and disease detection using deep convolutional neural networks and thermal imaging	2022	Imaging Science Journal	70	2		102	116
82	EIE	Arun Shalin, L.V., Kalaivani, K., Vishal Ratansing, P., Sathish Kumar, J.	Prognostic Analysis and Early Prediction of Lung Cancer through Gene Analysis	2022	Cybernetics and Systems					
83	MECH	Shobana, S., Gnanavel, B.K.	Optimised coordinated control of hybrid AC/DC microgrids along PV-wind-battery: a hybrid based model	2022	International Journal of Bio-Inspired Computation	20	3		193	208

84	ECE	Swetha, S., Saranya, S., Devaraju, M.	Skin Cancer Detection and Segmentation Using Convolutional Neural Network Models	2022	International Journal of Electrical and Electronics Research	10	4		984	987
85	ECE	Praveen Kumar, A., Vettrivel Sezhian, M.	Influence of curvy stiffeners on the axial crushing response of 3D-printed polymer composite cylindrical tubular structures	2022	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications					
86	EEE	Priya, N., Rajesh, N.B., Sivanandakumar, D., Prakash, N.B.	Optimized Adaptive Neuro Fuzzy based Controller for lifetime maximization in power electronics stage for brushless DC drives	2022	Materials Today: Proceedings	56			3379	3386
87	MECH	Suyambazhahan, S., Sundararajan, T., Das, S.K.	CFD analysis of primary and secondary sodium flows and associated heat transfer on performance of an intermediate heat exchanger in LMFBR	2022	International Journal of Nuclear Energy Science and Technology	15	44989		201	223

88	CSE	Anantha Krishnan, V., Jeba Sheela, A., Muthuraj, B., Senthil Kumaran, U., Muni, T.V., Rani, T.S., Sripada, R.N.S.V.S.C., Siddique, M.H., Raju, R.	An IOT Innovation of Smart Solar Energy Consumption Analysis and Control in Micro Grid	2022	International Journal of Photoenergy	2022		7506237		
89	MECH	Jeevakumari, S.A.A., Ramadoss, R., Indhumathi K, Gnanasekar, A.K.	Cocos nucifera husk biocarbon and FeSi3 on EMI shielding behavior of PVA composites	2022	Biomass Conversion and Biorefinery					
90	MECH	Jayaganthan, A., Manickam, M., Prathibhan, S., Amarnath, M., Subramanian, K., Babu, M., Dharmadurai, P., Adamassu, Y.	Multiobjective Optimization of WEDM Parameters on the Mg-HNT-Zr Hybrid Metal Matrix Composite Using Taguchi-Coupled GRA	2022	Advances in Materials Science and Engineering	2022		1920810		

91	CIVIL	Tholkapiyan, M., Mohan, A., Vijayan, D.S.	VARIABILITY OF SEA SURFACE TEMPERATURE IN COASTAL WATERS OF GULF OF MANNER, INDIA	2022	Oxidation Communications	45	3		562	569
92	RA	Chinnasamy, M., Rathanasamy, R., Sivaraj, S., Velu Kaliyannan, G., Palanisamy, M., Pal, S.K., Uddin, M.E.	Effective Utilization of Synthesized FeS ₂ for Improving Output Performance of Polycrystalline Silicon Solar Cell	2022	Advances in Materials Science and Engineering	2022		1252105		
93	CIVIL	Lavanayaprabha, S., Mohan, A., Velrajkumar, G., Mohammedharoonz ubair, A.	STUDY ON STRUCTURAL BEHAVIOUR OF DUCTILE HIGH-PERFORMANCE CONCRETE UNDER IMPACT AND PENETRATION LOADS	2022	Journal of Environmental Protection and Ecology	23	6		2380	2388

94	RA	Rathanasamy, R., Velu Kaliyannan, G., Sivaraj, S., Saminathan, A., Krishnan, B., Palanichamy, D., Uddin, M.E.	Influence of Silicon Dioxide-Titanium Dioxide Antireflective Electrosprayed Coatings on Multicrystalline Silicon Cells	2022	Advances in Materials Science and Engineering	2022		9444524		
95	MECH	Shaisundaram, V.S., Saravanakumar, S., Balambica, V., Sendil Kumar, D., Chandrasekaran, M., Muraliraja, R., Muniappan, A., Asres, Y.	Effects of Thermal Barrier Coating Using Various Dosing Levels of Aluminium Oxide Nanoadditive Fuel on Diesel in Compressed Ignition Engine	2022	Journal of Nanomaterials	2022		8355098		
96	ECE	Ramkumar, G., Bhuvaneswari, P., Radhika, R., Saranya, S., Vijayalakshmi, S., Karpagam, M., Wilfred, F.	Implementation of Machine Learning Mechanism for Recognising Prostate Cancer through Photoacoustic Signal	2022	Contrast Media and Molecular Imaging	2022		6862083		

97	CHEMISTRY	Govindhan, P., Prabhu, N.V., Edison Chandraseelan, R., Dharmendra Kumar, M.	Technologies of bio-diesel production: a state of the art review	2022	Petroleum Science and Technology						
98	EEE	Sujatha, M., Priya, N., Beno, A., Blesslin Sheeba, T., Manikandan, M., Tresa, I.M., Jose, P.S.H., Peroumal, V., Thimothy, S.P.	IoT and Machine Learning-Based Smart Automation System for Industry 4.0 Using Robotics and Sensors	2022	Journal of Nanomaterials	2022		6807585			
99	CIVIL	Velrajkumar, G., Ajith, J., Muthulakshmi, S., Dinesh Kumar, R., Nanthini Sri, K.V.	CHARACTERIZATION OF CARBON FIBRE REINFORCED POLYMERS SHEET BONDED RC BEAM WITH END ANCHORAGE UNDER STATIC AND CYCLIC RESPONSE	2022	Journal of the Balkan Tribological Association	28	4		522	536	

100	CIVIL	Mohan, A., Saravanan, J.	CHARACTERIZATION OF GEOPOLYMER CONCRETE BY PARTIAL REPLACEMENT OF CONSTRUCTION AND DEMOLITION WASTE - A REVIEW	2022	Journal of the Balkan Tribological Association	28	4		550	558
101	CIVIL	Pranesh Kumar, G., Lavanaya Prabha, S., Surendar, M., Virapan, S.	EVALUATION OF STRUCTURAL BEHAVIOUR OF DUCTILE HIGH PERFORMANCE CONCRETE UNDER IMPACT AND BLAST LOADS	2022	Journal of the Balkan Tribological Association	28	4		537	549
102	IT,AUTO	Vinoth, V., Sathiyamurthy, S., Ananthi, N., Elaiyarasran, U.	Chemical treatments and mechanical characterisation of natural fibre reinforced composite materials - a review	2022	International Journal of Materials Engineering Innovation	13	3		208	221
103	MECH	Giridharan, K., Sevvel, P., Ramadoss, R., Stalin, B.	Friction stir processing of nanofiller assisted AISI 1010 steel-CDA 101 copper dissimilar welds: a strength factor approach	2022	Metallurgical Research and Technology	119	5	505		

104	MECH	Subramanian, K., Paramasivam, S.A., Dillikannan, D., Muthu, M., Yadav Sanjeevi, P.R.	Prediction of thermal performance and exhaust emissions of a diesel engine fuelled with <i>Simmondsia Chinensis</i> oil methyl ester using ANN	2022	International Journal of Ambient Energy						
105	MECH	Kumaresan Gladys, A., Muthuvelu, V.S., Kumar, K., Ganesh, K.	Energy absorption performance of Kevlar/snake grass fiber composites under ballistic impact test with nano Al2O3 inclusion	2022	Polymer Composites						
106	AUTO	Jeyapragash, R., Sathiyamurthy, S., Srinivasan, V., Prithivirajan, R., Swaminathan, G.	PROPERTIES AND CHARACTERISTICS OF ALKALI TREATED CALOTROPIS GIGANTEA FIBER-REINFORCED PARTICLE-FILLED EPOXY COMPOSITES	2022	Composites Theory and Practice	2022	2		99	105	

107	ECE	Anbarasi, A., Ravi, T., Manjula, V.S., Brindha, J., Saranya, S., Ramkumar, G., Rathi, R.	A Modified Deep Learning Framework for Arrhythmia Disease Analysis in Medical Imaging Using Electrocardiogram Signal	2022	BioMed Research International	2022		5203401		
108	EIE	Lanitha, B., Poornima, E., Sudha, R., David, D.B., Kannan, K., Jegan, R., Peroumal, V., Kirubagharan, R., Tesfaye, M.	IoT Enabled Sustainable Automated Greenhouse Architecture with Machine Learning Module	2022	Journal of Nanomaterials	2022		1314903		
109	MECH	Veerasamy, K., Aarthy, D.K., Logeswaran, T., Jothiprakash, V.M.	Implementation of CNN based address generation unit and data path unit for the performance trade-off	2022	Materials Today: Proceedings					

110	AUTO	Kulothungan, S., Lakshmanan, P., Krishnan, P., Palani, S., Arumugam, A.	Assessment of factors influencing the transfer efficiency in electrostatic spray coating process	2022	Materials Today: Proceedings	62				1039	1044
111	EIE	Blesslin Sheeba, T., Anand, L.D.V., Manohar, G., Selvan, S., Wilfred, C.B., Muthukumar, K., Padmavathy, S., Ramesh Kumar, P., Asfaw, B.T.	Machine Learning Algorithm for Soil Analysis and Classification of Micronutrients in IoT-Enabled Automated Farms	2022	Journal of Nanomaterials	2022			5343965		
112	MECH	Babu, M., Venkataraman, S.R., Rao, P.N., Rao, V., Kaliappan, S., Patil, P.P., Sekar, S., Yuvaraj, K.P., Murugan, A.	Optical Microstructure, FESEM, Microtensile, and Microhardness Properties of LM 25-B4Cnp-Grnp Hybrid Composites Manufactured by Selective Laser Melting	2022	Advances in Materials Science and Engineering	2022			3177172		

113	MECH	Thamilarasan, J., Ravikumar, V., Yadav, S.P.R., Yarlagadda, J., Kumar, A., Ramasubramanian, S., Sambandam, P., Rudesh, C.P., Asres, Y.	Sustainability Improvement of Ethanol Blended Gasoline Fuelled Spark Ignition Engine by Nanoparticles	2022	Journal of Nanomaterials	2022		7793947		
114	AUTO	Sarankumar, R., Vinod, D., Anitha, K., Manohar, G., Vijayanand, K.S., Pant, B., Sundramurthy, V.P.	Severity Prediction over Parkinson's Disease Prediction by Using the Deep Brooke Inception Net Classifier	2022	Computational Intelligence and Neuroscience	2022		7223197		
115	IT	Hema, M., Raja, S.K.S.	An Efficient Framework for Utilizing Underloaded Servers in Compute Cloud	2022	Computer Systems Science and Engineering	44	1		143	156
116	ECE	Dharini, N., Katiravan, J., Sankar, S.M.U.	Wireless Sensor Network-based Detection of Poisonous Gases Using Principal Component Analysis	2022	Computer Systems Science and Engineering	44	1		249	264

117	CSE	Padmavathi, B., Muthukumar, B.	A deep recursively learning LSTM model to improve cyber security Botnet attack intrusion detection	2022	International Journal of Modeling, Simulation, and Scientific Computing			2341018		
118	CIVIL	Vijayan, D.S., Mohan, A., Nivetha, C., Sivakumar, V., Devarajan, P., Paulmakesh, A., Arvindan, S.	Treatment of Pharma Effluent using Anaerobic Packed Bed Reactor	2022	Journal of Environmental and Public Health	2022		4657628		
119	AUTO	Babu, A.K., Palanichamy, R., Surya, S.B.V.	Numerical and experimental analysis of a heat pump dryer for leaf drying applications	2022	Biomass Conversion and Biorefinery					
120	AUTO	Prabhakaran, J., Jayabal, S., Ramesh Kumar, A., Vinoth, V.	Air quality assessment in indoor and outdoor environments: A review	2022	Materials Today: Proceedings	66			1260	1266

121	MECH	Ravi Sekhar, S., Raju, M., Govardhan, D., Karthikeyan, R., Sravan Sashank, S.	Optimization of friction surfaced deposits of aluminium alloy 6068 over low carbon steel	2022	Materials Today: Proceedings	62			4480	4486
122	MECH	Babu, M., Bhuvanesh, N., Raj, S.S., Elavarasan, E.	Design and optimization of linear Fresnel reflector concentrating solar system using particle swarm optimization algorithms	2022	Materials Today: Proceedings	66			1038	1043
123	ECE	Arthi, R., Ramya, G., Suresh, P., Murugesan, K., Ramya, T.	Power Quality Improvement using PV Coupled Non- Isolated Quasi Z Source Inverter	2022	WSEAS Transactions on Power Systems	17			62	67
124	MECH	Naresh Babu, M., Vetrivel Sezhian, M., Anandan, V., Dinesh Babu, M.	Effect of ionic liquid as lubricants in turning H 13 tool steel- an experimental study	2022	Materials and Manufacturing Processes	37	16		1812	1822

125	MECH	Chinthamani, B., Bhuvaneswari, N.S., Kumar, R.S., Shanker, N.R.	Motor Torque Measurement Using Dual-Function Radar Polarized Signals of Flux	2022	Intelligent Automation and Soft Computing	34	1		515	530
126	CIVIL	Rajamani, G., Mohankumar, M., Dhamodaran, G., Om Prakash, S., Johnson Santhosh, A.	Experimental Studies on the Performance of Graphene Oxide Based Hybrid Nanopolymers for Bearing Applications	2022	International Journal of Polymer Science	2022	2974237			
127	AUTO	Vinoth, V., Sathiyamurthy, S., Natarajan, U., Venkatkumar, D., Prabhakaran, J., Sanjeevi Prakash, K.	Examination of microstructure properties of AISI 316L stainless steel fabricated by wire arc additive manufacturing	2022	Materials Today: Proceedings	66			702	706
128	IT	Pushpa, S.X., Raja, S.K.S.	Enhanced ECC Based Authentication Protocol in Wireless Sensor Network with DoS Mitigation	2022	Cybernetics and Systems	53	8		734	755

129	CIVIL	Velrajkumar, D.G., Muralikrishnan, R., Mohan, A., Bala Thirumal, R., Naveen John, P.	Performance of GGBFS and silica fume on self compacting geopolymer concrete using partial replacements of R-Sand	2022	Materials Today: Proceedings	59				909	917
130	AUTO	Krishnan, P., Lakshmanan, P., Palani, S., Arumugam, A., Kulothungan, S.	Analyzing the hardness and wear properties of SiC and hBN reinforced aluminum hybrid nanocomposites	2022	Materials Today: Proceedings	62				566	571
131	IT	Harshavardhini, U., Saraswathi, T., Manju, J.	Load balancing with SIP protocol using distributed web-server system	2022	International Journal of Advanced Intelligence Paradigms	21	44989			225	234
132	AUTO	Vinoth, V., Sathiyamurthy, S., Ajay, C.V., Vardhan, H., Siva, R., Prabhakaran, J., Kumar, C.S.	Experimental studies on single point incremental sheet forming of stainless steel 409L alloy	2022	Materials Today: Proceedings	62				599	605

133	CSE	Krishnan, P., Lakshmanan, P., Palani, S., Arumugam, A., Kulothungan, S.	Friction stir processing of Al/B4C nanocomposites prepared by Stir- Ultrasonication casting method	2022	Materials Today: Proceedings	62				517	522
134	ECE	Indumathy, D., Ramesh, K., Senthilkumar, G., Sudha, S., Mohanaprakash, T.A.	Investigations on coronary artery plaque detection and subclassification using machine learning classifier	2022	Journal of X-Ray Science and Technology	30	3			513	529
135	ECE	Arivuselvam, B., Sudha, S.	Leukemia classification using the deep learning method of CNN	2022	Journal of X-Ray Science and Technology	30	3			567	585
136	CIVIL	Dhal, L., Gopalakrishnan, R., Dharmar, S., Praveenaa, M.	HYBRID FIBRE REINFORCED CONCRETE WITH REPLACEMENT OF FINE AGGREGATE	2022	Journal of the Balkan Tribological Association	28	1			75	88
137	CIVIL	Tholkapiyan, M., Mohan, A., Vijayan, D.S., Sundarabalan, V.B.	TRACKING THE CHLOROPHYLL CHANGES USING SENTINEL-2A/B OVER THE GULF OF MANNER, INDIA	2022	Oxidation Communications	45	1			93	102

138	CSE	Padmavathi, B., Muthukumar, B.	Pattern Analysis and Regressive Linear Measure for Botnet Detection	2022	Computer Systems Science and Engineering	43	1		119	139
139	CIVIL	Ayyasamy, L.R., Mohan, A., Rex, L.K., Sivakumar, V.L., Vijayan, D.S., Sivasamy, P.	ENHANCED THERMAL CHARACTERISTICS OF CuO EMBEDDED LAURIC ACID PHASE CHANGE MATERIAL	2022	Thermal Science	26	2		1615	1621
140	MECH	Sezhian, M.V., Chakravarthi, G., Giridharan, K., Stalin, B., Kumar, B.Y., Sureshkumar, P., Vairamuthu, J., Krishnaraj, R.	Investigation of Friction Stir-Welded B4C Particles-Reinforced Copper Joint: Mechanical, Fatigue, and Metallurgical Properties	2022	Advances in Materials Science and Engineering	2022		1667041		
141	AUTO, MECH	Selvaraju, A.P., Ranganathan, A., Vincent, A.A.R., Arumugam, P., Ramalingam, V.	Thermal Management Analysis of Pcm Integration in Building Using a Novel Performance Parameter Pcm Effectiveness Index	2022	Thermal Science	26	2		883	895

142	MECH	Sasikala, G., Jothiprakash, V.M., Pant, B., Subalakshmi, R., Thirumal Azhagan, M., Arul, K., Alonazi, W.B., Karnan, M., Praveen Kumar, S.	Optimization of Process Parameters for Friction Stir Welding of Different Aluminum Alloys AA2618 to AA5086 by Taguchi Method	2022	Advances in Materials Science and Engineering	2022		3808605		
143	MATHS	Bohner, M., Vidhyaa, K.S., Thandapani, E.	Oscillation of noncanonical second-order advanced differential equations via canonical transform	2022	Constructive Mathematical Analysis	5	1		7	13
144	CIVIL	Deepak, M.S., Lavanya, P.S.	Characteristics of High-Strength High-Performance Concrete under Normal and Accelerated Curing	2022	ACI Materials Journal	119	1		59	70
145	AIADS	Akbar, S.B., Thanupillai, K., Govindarajan, V.	Forecasting Bitcoin price using time opinion mining and bi-directional GRU	2022	Journal of Intelligent and Fuzzy Systems	42	3		1825	1833

146	MECH	Kumar, B.A., Krishnan, M.M., Sahayaraj, A.F., Refaai, M.R.A., Yuvaraj, G., Madhesh, D., Allasi, H.L.	Characterization of the Aluminium Matrix Composite Reinforced with Silicon Nitride (AA6061/Si3N4) Synthesized by the Stir Casting Route	2022	Advances in Materials Science and Engineering	2022		8761865		
147	EEE	Jayakumar, T., Rubavathy, S.J., Karpagam, R., Diwakaran, S., Jayadhas, S.A., Ahamed, M., Sureshkumar, S.	Experimental Analysis of the Thermal Performance of a Latent Heat Energy of Helical Coil for the Application of Solar Energy	2022	International Journal of Photoenergy	2022		7065940		
148	CSE	Krishnan, V.G., Deepa, J., Rao, P.V., Divya, V., Kaviarasan, S.	An automated segmentation and classification model for banana leaf disease detection	2022	Journal of Applied Biology and Biotechnology	10	1	213	220	

149	MECH,RA	Padmanabhan, S., Giridharan, K., Stalin, B., Elango, V., Vairamuthu, J., Sureshkumar, P., Jule, L.T., Krishnaraj, R.	Sustainability and Environmental Impact of Ethanol and Oxyhydrogen Addition on Nanocoated Gasoline Engine	2022	Bioinorganic Chemistry and Applications	2022		1936415		
150	RA	Prakash, S.O., Sahu, P., Madhan, M., Johnson Santhosh, A.	A Review on Natural Fibre- Reinforced Biopolymer Composites: Properties and Applications	2022	International Journal of Polymer Science	2022		7820731		
151	MECH	Giridharan, K., Sevvel, P., Stalin, B., Ravichandran, M., Sureshkumar, P.	Microstructural Analysis and Mechanical Behaviour of Copper CDA 101/AISI-SAE 1010 Dissimilar Metal Welds Processed by Friction Stir Welding	2022	Materials Research	25		e202104 30		

152	ECE,EIE	Sunanthini, V., Deny, J., Govinda Kumar, E., Vairaprakash, S., Govindan, P., Sudha, S., Muneeswaran, V., Thilagaraj, M.	Comparison of CNN Algorithms for Feature Extraction on Fundus Images to Detect Glaucoma	2022	Journal of Healthcare Engineering	2022		7873300		
153	CSE	Krishnan, V.G., Deepa, J., Lakshmi, S.V., Prakash, T.A.M., Murthy, K.S., Divya, V.	Securing Mass Distributed Big Data Storage using Intelligent Elliptic Curve Integrated Encryption Scheme in Multi-Cloud Computing	2022	International Journal of Engineering Trends and Technology	70	1		35	42
154	AUTO	Palanichamy, R., Devan, P.K.	Effect of Tongue Geometry on the Performance of Cross Flow Fan	2022	International Journal of Mechanical Engineering	7	1		387	393
155	MECH	Karthick, S., Elanchezhian, C., Ramnath, B.V., Saravanan, M., Giridharan, K.	Effect of brown rice husk α -Si3N4 on Ni-P composite coating of austenitic AISI 316L steel: Taguchi grey relational approach	2022	Biomass Conversion and Biorefinery					

156	MECH	Elumalai, B., Gowri, S., Hariharan, P., Arun Pillai, K.V.	Experimental investigations on μED milling of inconel 718 with nano SiC abrasive mixed dielectric	2022	Materials Research	25		e20210468		
157	IT & CSE	Roy, R.R., Mala, G.S.A.	Early detection of pancreatic cancer using jaundiced eye images	2022	Computer Systems Science and Engineering	41	2		677	688
158	MECH	Dhivagar, R., Kannan, K.G.	Thermodynamic and economic analysis of heat pump-assisted solar still using paraffin wax as phase change material	2022	Environmental Science and Pollution Research	29	2		3131	3140
159	CSE	Baskar, K., Saravana Karthikeyan, B., Gurucharan, I., Mahalaxmi, S., Rajkumar, G., Dhivya, V., Kishen, A.	Eggshell derived nano-hydroxyapatite incorporated carboxymethyl chitosan scaffold for dentine regeneration: A laboratory investigation	2022	International Endodontic Journal	55	1		89	102

160	CSE	Gopinath, C., Lakshmanan, P., Palani, S.	Fiber laser microcutting on duplex steel: parameter optimization by TOPSIS	2022	Materials and Manufacturing Processes	37	9		985	994
161	CSE	Sabitha, R., Vaishnavi, S., Karthik, S., Bhavadharini, R.M.	User interaction based recommender system using machine learning	2022	Intelligent Automation and Soft Computing	31	2		1037	1049
162	IT	Balaji, V., Raja, S.K.S.	Recommendation learning system model for children with autism	2022	Intelligent Automation and Soft Computing	31	2		1301	1315
163	ECE	Thandullu Naganathan, S.B., Dhandapani, S.	Patch antenna integrated on solar cells for green wireless communication: A feature oriented survey and design issues	2022	International Journal of RF and Microwave Computer-Aided Engineering	32	1	e22926		

164	MECH, PHYSICS, EEE	Sathishkumar, G.K., Mohamed Akheel, M., Ibrahim, M., Rajkumar, G., Karpagam, R., Gopinath, B.	Experimental and Finite Element Analysis of Lignite Fly Ash on the Mechanical Properties of Sisal-added Polymer Matrix Composite Using ANSYS Workbench	2022	Journal of Natural Fibers	19	13		7008	7032
165	Physics	Rajkumar, G., Sathishkumar, G.K., Srinivasan, K., Karpagam, R., Dhivya, V., Sakthipandi, K., Sivakumar, R., Ibrahim, M., Mohamed Akheel, M.	Structural and Mechanical Properties of Lignite Fly Ash and Flax-added Polypropylene Polymer Matrix Composite	2022	Journal of Natural Fibers	19	13		6534	6552

166	CIVIL	Ashok, K., Ajith, D., Bibin, C., Sheeja, R., Nishanth, R.	Influence of Nanofiller Lignite Fly Ash on Tribomechanical Performance of Sansevieria Roxburghiana Fiber Reinforced Epoxy Composites	2022	Journal of Natural Fibers	19	13		6000	6014
167	CHEMISTRY	K, J., P, V., S, P., S, D., Siddiqui, M.K.	Molecular Structural Descriptors of Donut Benzenoid Systems	2022	Polycyclic Aromatic Compounds	42	7		4146	4172
168	MECH,EEE, PHYSICS	Sathishkumar, G.K., Gautham, G., Shankar, G.G., Rajkumar, G., Karpagam, R., Dhivya, V., Zacharia, G., Gopinath, B., Karthik, P., Charles, M.M.	Influence of lignite fly ash on the structural and mechanical properties of banana fiber containing epoxy polymer matrix composite	2022	Polymer Bulletin	79	1		285	306

169	MECH,EEE, PHYSICS	Sathishkumar, G.K., Ibrahim, M., Mohamed Akheel, M., Rajkumar, G., Gopinath, B., Karpagam, R., Karthik, P., Martin Charles, M., Gautham, G., Gowri Shankar, G.	Synthesis and Mechanical Properties of Natural Fiber Reinforced Epoxy/Polyester/Polypropyl ene Composites: A Review	2022	Journal of Natural Fibers	19	10		3718	3741
170	MECH	Ashok, K.G., Kalaichelvan, K., Damodaran, A.	Effect of Nano Fillers on Mechanical Properties of Luffa Fiber Epoxy Composites	2022	Journal of Natural Fibers	19	4		1472	1489
171	MECH	Daniel, C.J., Koganti, R., Mariadhas, A.	Waste heat recovery through cascaded thermal energy storage system from a diesel engine exhaust gas	2022	International Journal of Ambient Energy	43	1		2701	2709

172	MECH	Radhika, K., Lakshminarayanan, A.K.	An insight into the stress corrosion cracking resistance of friction stir processed and micro arc oxidation coated ZE41 grade magnesium alloy	2022	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	236	2		1255	1273
173	AUTO	Venkatesh, A.P., Padmanabhan, S., Rajveer, G.V., Yuvaja, K., Muniyappan, M.	Effect of fuel injection pressure on the performance and emission analysis of Mahua Methyl ester in a single cylinder diesel engine	2022	International Journal of Ambient Energy	43	1		1556	1560

2021

SI NO	DEPT	Authors	Title	Year	JOURNAL	Volume	Issue	Art. No.	Page start	Page end
1	ECE	Rahimunnisa, K., Atchaiya, M., Arunachalam, B., Divyaa, V.	AI-based smart and intelligent wheelchair	2021	Journal of Applied Research and Technology	18	6		362	367
2	MECH	Soundararaj, R., Xavier, J.R.F., Ramadoss, R., Balu, P., Jayaseelan, V.	Surface Ignition using ethanol on Mo and Al ₂ O ₃ -TiO ₂ coated in CI engine for environmental benefits	2021	Advances in Environmental Technology	7	1		19	27
3	MECH	Padmanabhan, S., Joel, C., Joel, L., Reddy, O.Y., Harsha, K.G.D.S., Ganesan, S.	Evaluation of Waste Plastic Pyrolysis Oil Performance with Diethyl Ether Additive on Insulated Piston Diesel Engine	2021	Nature Environment and Pollution Technology	20	5		2079	2086
4	MATHS	Sasidhar, K.B., Umayakunjaram, R., Yugeswari, S., Latha, K., Shanmugam, P.	Correlation between empirical formulae based stoichiometric and biochemical methane potential of sectorial wastewater from common tannery effluent treatment plant	2021	Bioresource Technology Reports	16		100866		
5	MECH	Pushpanathan, D.P., Alagumurthi, N., Devaneyan, S.P.	Investigations on the properties of composite coatings electro co-deposited on AZ80 Mg alloy using triangular waveform	2021	Surface Topography: Metrology and Properties	9	4	45048		

6	MECH	Elumalai B., Gowri S., Hariharan P., Arun Pillai K.V.	The effect of discharge energy and nano Al ₂ O ₃ on μED milling of Inconel 718	2021	Surface Topography: Metrology and Properties	9	4	45017		
7	IT	Valarmathi, K., Kanaga Suba Raja, S.	Resource utilization prediction technique in cloud using knowledge based ensemble random forest with LSTM model	2021	Concurrent Engineering Research and Applications	29	4		396	404
8	ECE	Praveen Kumar, R., Raj, J.S., Smys, S.	Analysis of dynamic topology wireless sensor networks for the internet of things (IoT)	2021	International Journal of Communication Systems	34	17	e4978		
9	CHEMISTRY	Manonmani, R., Sureshkumar, S., Venkatachalamathy, B.	Effect of Sintering Atmosphere on Nano Biocomposite Coated 316L Stainless Steel for Corrosion Control in Biomedical Applications	2021	Surface Engineering and Applied Electrochemistry	57	6		667	674
10	EEE	Amosedinakaran, S., Mala, K., Bhuvanesh, A., Kannan, S., Karuppasamy Pandiyan, M.	Generation Expansion Planning for a Real-world Power System: Aiming Towards Cost and Environmental Emission Minimization by Penetrating Huge Renewable Energy Sources	2021	Journal of Electrical Engineering and Technology	16	6		2835	2846

11	IT	Dhivya, V., Mahalaxmi, S., Rajkumar, K., Premkumar, V.V., Saravanakarthikeyan, B., Karpagam, R., Priyatharshini, R., Sakthipandi, K., Saikumari, V., Vijay, N., Rajkumar, G.	Effects of strontium-containing fluorophosphate glasses for enhancing bioactivity and enamel remineralization	2021	Materials Characterization	181		111496		
12	IT	Raja, S.K.S., Louis, A.B.V.	A Review of Call Admission Control Schemes in Wireless Cellular Networks	2021	Wireless Personal Communications	120	4		3369	3388
13	MECH,CIVIL	Arun Prakash, S., Gunadevan, D., Arivazhagan, R., Sheeja, R., Antony Aroul Raj, V., Velraj, R.	Performance evaluation of phase change material integration in buildings using novel non-dimensional performance parameters for different cities and months in India	2021	Journal of Energy Storage	42		103015		

14	CHEMISTRY	Bhattacharyya, A., Kanekar, A.S., Karthikeyan, N.S., Ravichandran, C., Venkatachalamapathy, B., Rao, T.S., Seshadri, H., Mohapatra, P.K.	Aqueous soluble 'N' donor heterocyclic ligands for the mutual separation of Am ³⁺ and Eu ³⁺ : Solvent extraction, flat sheet supported liquid membrane and hollow fiber microextraction studies	2021	Journal of Environmental Chemical Engineering	9	5	106041		
15	CIVIL	Gopalakrishnan, R., Chinnaraju, K.	Durability Characteristics of Slag / Fly Ash Based Alumina Silicate Concrete at Ambient Temperature	2021	Silicon	13	10		3619	3628
16	PHYSICS	Kavitha, R., Nirmala, S., Sampath, V., Shanmugavalli, V., Latha, B.	Studies of synthesis, crystal structure and antidiabetic activity of quinolinium 2-carboxylate 2-chloroacetic acid	2021	Journal of Molecular Structure	1240		130572		
17	EEE	Kumar, S., Sethuraman, C., Chandru, G.	Sizing optimization and techno-economic analysis of a hybrid renewable energy system using HOMER pro simulation	2021	Journal of Scientific and Industrial Research	80	9		777	784

18	AUTO	Arumugam, A., Lakshmanan, P., Palani, S.	Micro groove cutting on the surfaces of Cu-B4C nanocomposites by fiber laser	2021	Surface Topography: Metrology and Properties	9	3	35023		
19	ECE	Swaminathan, J.N., Vignesh, O., Kalyan Chakravarthy, N.S.	Harmonic Inversion Based Posterirori Minimization in HPA for 5G Communication Framework	2021	Wireless Personal Communications	120	2		1279	1289
20	IT	Ramkumar, K., Ananthi, N., Brabin, D.R.D., Goswami, P., Baskar, M., Bhatia, K.K., Kumar, H.	Efficient routing mechanism for neighbour selection using fuzzy logic in wireless sensor network	2021	Computers and Electrical Engineering	94		107365		
21	CHEMISTRY	Nisha, P., Suresh, S., Jayamoorthy, K., Dhanalekshmi, K.I., Ravichandran, C.	Synthesis, spectral, thermal studies and dielectric behavior of functionalized TiO ₂ -loaded diglycidyl epoxy nanocomposite film	2021	Polymer Bulletin	78	9		5255	5274

22	ECE	Kuppusamy Pandian, S., Poruran, S.	An efficient approach for removing haze from single image using Gaussian pyramidal decomposition	2021	Concurrency and Computation: Practice and Experience	33	16	e6279		
23	MECH	Anandan, V., Naresh Babu, M., Vetrivel Sezhian, M., Yildirim, C.V., Dinesh Babu, M.	Influence of graphene nanofluid on various environmental factors during turning of M42 steel	2021	Journal of Manufacturing Processes	68			90	103
24	CIVIL	Vijayan, D.S., Mohan, A., Revathy, J., Parthiban, D., Varatharajan, R.	Evaluation of the impact of thermal performance on various building bricks and blocks: A review	2021	Environmental Technology and Innovation	23		101577		
25	CIVIL	Sridhya, S., Vidjeapriya, R., Neelamegam, M.	Enhancing the performance of hyposludge concrete beams using basalt fiber and latex under cyclic loading	2021	Computers and Concrete	28	1		93	105

26	CIVIL	Babu, M.N., Anandan, V., Babu, M.D., Muthukrishnan, N.	Turning SKD 11 steel using silver nanofluids with minimum quantity lubrication	2021	International Journal of Manufacturing, Materials, and Mechanical Engineering	11	3		74	95
27	CIVIL	Madhusudanan, V., Srinivas, M.N., Sridhar, S.	Effect of Noise on Pandemic Structure for Proliferation of Malevolent Nodes in Remote Sensor Network	2021	Wireless Personal Communications	119	1		567	584
28	CHEMISTRY	Bhattacharyya, A., Ansari, S.A., Karthikeyan, N.S., Ravichandran, C., Venkatachalapathy, B., Rao, T.S., Seshadri, H., Mohapatra, P.K.	Bis-(1,2,4-triazin-3-yl) ligand structure driven selectivity reversal between Am ³⁺ and Cm ³⁺ : solvent extraction and DFT studies	2021	Dalton Transactions	50	22		7783	7790
29	CHEMISTRY	Jose, J., Prathibha, T., Karthikeyan, N.S., Venkatesan, K.A., Robert Selvan, B., Seshadri, H., Venkatachalapathy, B., Ravichandran,	Comparative evaluation of radiolytic stability of aqueous soluble BTP and BTBP derivatives under static gamma irradiation	2021	Journal of Radioanalytical and Nuclear Chemistry	328	3		1127	1136

30	AUTO	Elaiyaranan, U., Satheeshkumar, V., Senthilkumar,	Effect of parameters on microstructure of electrical discharge coated ZE41A magnesium alloy with tungsten carbide-copper composite electrode	2021	Surface Topography: Metrology and Properties	9	2	25006		
31	IT	Sathya, A., Raja, S.K.S.	Privacy Preservation-Based Access Control Intelligence for Cloud Data Storage in Smart Healthcare Infrastructure	2021	Wireless Personal Communications	118	4		3595	3614
32	EIE	Indumathy, M., Sobana, S., Panda, R.C.	Modelling of fouling in a plate heat exchanger with high temperature pasteurisation process	2021	Applied Thermal Engineering	189		116674		
33	EEE	Famila, S., Jawahar, A., Vimalraj, S.L.S., Lydia, J.	Integrated Energy and Trust-Based Semi-Markov Prediction for Lifetime Maximization in Wireless Sensor Networks	2021	Wireless Personal Communications	118	1		505	522

34	MECH	Naresh Babu, M., Anandan, V., Dinesh Babu, M.	Performance of ionic liquid as a lubricant in turning inconel 825 via minimum quantity lubrication method	2021	Journal of Manufacturing Processes	64			793	804
35	MECH,CIVIL ,AUTO	Prakash, S.A., Hariharan, C., Arivazhagan, R., Sheeja, R., Raj, V.A.A., Velraj, R.	Review on numerical algorithms for melting and solidification studies and their implementation in general purpose computational fluid dynamic software	2021	Journal of Energy Storage	36		102341		
36	ECE	Veancy, B.J., Yogesh, P.	Fractional Frequency Reuse with Enhanced Scheduling Strategies	2021	Wireless Personal Communications	117	3		2541	2553
37	CHEMISTRY	Nisha, P., Dhanalekshmi, K.I., Ravichandran, C.	Effect of 4-Aminobutyltriethoxysilane Modified Al ₂ O ₃ Nanoparticles on the Dielectric Properties of Epoxy Nanocomposites for High Voltage Applications	2021	Silicon	13	4		1009	1015

38	ECE	Hema, R., Sudha, S., Aarthi, K.	Performance studies of MIMO based DCO-OFDM in underwater wireless optical communication systems	2021	Journal of Marine Science and Technology (Japan)	26	1		97	107
39	CSE	Brindha, S., Bhuvaneswari, S.	Repossession and recognition system: transliteration of antique Tamil Brahmi typescript	2021	Current Science	120	4		654	665
40	MECH	Damodaran, A., Sugavaneswaran, M., Lessard, L.	An overview of additive manufacturing technologies for musical wind instruments	2021	SN Applied Sciences	3	2	162		
41	CIVIL	Divyah, N., Thenmozhi, R., Neelamegam, M., Prakash, R.	Characterization and behavior of basalt fiber-reinforced lightweight concrete	2021	Structural Concrete	22	1		422	430

42	MECH	Mohamed Farmaan, A.K., Mukund, R., Arun Prakash, S., Pradeep, P., Antony Aroul Raj, V., Senthil kumar, M.	Experimental and computational investigation of engine characteristics in a compression ignition engine using mahua oil	2021	Fuel	284		119007		
43	CSE	Buvaneswari, B., Vijayaraj, J., Satheesh Kumar, B.	Histopathological image-based breast cancer detection employing 3D-convolutional neural network feature extraction and Stochastic Diffusion Kernel Recursive Neural Networks classification	2021	Imaging Science Journal	69	45054		350	363
44	MECH	Surakasi, R., Sekhar, K.C., Yanmaz, E., Yuvaraj, G., Venugopal, J., Srujana, S., Begum, N.	Evaluation of Physicothermal Properties of Silicone Oil Dispersed with Multiwalled Carbon Nanotubes and Data Prediction Using ANN	2021	Journal of Nanomaterials	2021		3444512		

45	MATHS	Chatzarakis, G.E., Indrajith, N., Thandapani, E., Vidhyaa, K.S.	OSCILLATORY BEHAVIOR OF SECOND-ORDER NON-CANONICAL RETARDED DIFFERENCE EQUATIONS	2021	Australian Journal of Mathematical Analysis and Applications	18	2	20		
46	CIVIL	Sundaresan, S., Ramamurthy, V., Meyappan, N.	Improving mechanical and durability properties of hypo sludge concrete with basalt fibres and SBR latex	2021	Advances in Concrete Construction	12	4		327	337
47	EIE	Karunakaran, K., Rajagopal, S.	A Novel Approach to Information Security in Medical Sensor Networks	2021	Open Biomedical Engineering Journal	15			149	162
48	CIVIL	Gopalakrishnan, R., Lenindhal, Dharmar, S., Purushothaman, D.	PRODUCTION OF CONSTRUCTION MATERIAL USING CONSTRUCTION AND DEMOLITION WASTE BY GEO-POLYMERIZATION OF INDUSTRIAL WASTE	2021	Journal of the Balkan Tribological Association	27	6		997	1009
49	CIVIL	Chandrasekaran, K., Srinivasan, L.P., Meyappan, N.	Characterisation of Fibre Reinforced Resin Concrete	2021	Materiale Plastice	58	4		158	170

50	CIVIL	Mohan, A., Prabha, G., Balapriya, B., Deepika, M., Hemanthimekala, B.	TRIBOLOGICAL INVESTIGATIONS ON THE PROPERTIES OF CONCRETE CONTAINING RECYCLED PLASTIC AGGREGATES	2021	Journal of the Balkan Tribological Association	27	6		1010	1020
51	EEE	Kaliappan, S., Saravanan Kumar, R., Karthick, A., Kumar, P.M., Venkatesh, V., Mohanavel, V., Rajkumar, S.	Hourly and Day Ahead Power Prediction of Building Integrated Semitransparent Photovoltaic System	2021	International Journal of Photoenergy	2021		7894849		
52	MECH	Raguraman, D., Kumar, A., Prasanna Raj Yadav, S., Patil, P.Y., Samson Isaac, J., Sowmya Dhanalakshmi, C., Madhu, P., Isaac Joshuaramesh Lalvani, J.	Performance and Emission Characteristics of Pyrolysis Oil Obtained from Neem de Oiled Cake and Waste Polystyrene in a Compression Ignition Engine	2021	Advances in Materials Science and Engineering	2021		3728852		

53	MATHS	Anitha, J., Muthukumar, S.	Power domination in splitting and degree splitting graph	2021	Proyecciones	40	6		1641	1655
54	IT	Ananthi, N., Elaiyaraasan, U., Satheeshkumar, V., Senthilkumar, C., Sathiyamurthy, S., Nallathambi, K.	Parametric effect on material removal rate and surface roughness of electrical discharge machined magnesium alloy	2021	Metallurgical Research and Technology	118	6	615		
55	MECH	Omsakthivel, U., Lakshmanan, T., Sekar, S., Stalin,	Performance and emission characteristics of a micro- gasifier-based cook stove using solid biomass, melia dubia and casuarina	2021	Transactions of the Canadian Society for Mechanical Engineering	45	4		573	583
56	CSE	Pavithra, R., Prathiksha, S., Shruthi, S.G., Bhanumathi, M.	A new approach for security in cloud data storage for iot applications using hybrid cryptography technique	2021	Advances in Parallel Computing	39			175	182

57	CSE	Rathinapriya, V., Rahul, D., Rakesh, M., Suganthan, P.	Ensuring the survivability of the trekker using drone and RFID technology	2021	Advances in Parallel Computing	39			383	390
58	CSE	Bhanumathi, M., Gautham Kumar, R.S., Karthika Hema Manasa, M., Aravindh, R.	Heart disease prediction using convolutional neural network	2021	Advances in Parallel Computing	39			377	382
59	CSE	Om Kumar, C.U., Sathia Bhama, P.R.K.	Efficient ensemble to combat flash attacks	2021	Computational Intelligence					
60	ECE	Kalaiselvi, K., Saranya, S., Thilak, K.D., Kumaresan, K.	Replication image detection using convolutional neural network	2021	Journal of Engineering Research (Kuwait)	2021				
61	AUTO	Ramasamy, P., Beenkumar N, Subbiah, G., Devarajan, Y., Mishra, R.	Exploration of non-edible palm kernel oil as a potential heat transfer fluid for higher temperature applications	2021	Biomass Conversion and Biorefinery					

62	EC	Zhang, H., Zang, Z., Zhu, H., Sharma, S.K., Sridhar, S.	Boosting industrial decision making and business growth using improved data analytics model	2021	Annals of Operations Research					
63	CHEMISTRY	Manonmani, R., Sureshkumar, S., Mohandoss, S., Venkatachalamathy, B.	Electrodeposition of HAP/TiO ₂ on type 316L stainless steel for orthopedic application	2021	Bulgarian Chemical Communications	53	3		313	320
64	EEE	Nandhini Devi, R., Leones Sherwin Vimalraj, S., Lydia, J.	Improvement of multipath channel performance for optical MIMO-OFDM in LED modulation with fully generalized spatial-frequency	2021	Advances in Parallel Computing	38			464	468

65	MECH	Vetrivel Sezhian, M., Giridharan, K., Peter Pushpanathan, D., Chakravarthi, G., Stalin, B., Karthick, A., Manoj Kumar, P., Bharani, M.	Microstructural and Mechanical Behaviors of Friction Stir Welded Dissimilar AA6082-AA7075 Joints	2021	Advances in Materials Science and Engineering	2021		4113895		
66	CHEMISTRY	Jayamoorthy, K., Saravanan, P., Rao, V.S., Rajagopalan, N.R., Rengarajan, S., Nisha, P.	Carbon nanotubes functionalized with newly synthesized benzimidazole derivative for corrosion inhibition on the nickel alloy surface in a sulfuric acidic medium	2021	Inorganic and Nano-Metal Chemistry					
67	CIVIL	Vijayan, D.S., Mohan, A., Jebasingh Daniel, J., Gokulnath, V., Saravanan, B., Kumar, P.D.	Experimental Investigation on the Ecofriendly External Wrapping of Glass Fiber Reinforced Polymer in Concrete Columns	2021	Advances in Materials Science and Engineering	2021		2909033		

68	IT	Kumar, P.A., Gunasundari, R., Aarthi, R.	Systematic analysis and review of magnetic resonance imaging (Mri) reconstruction techniques	2021	Current Medical Imaging	17	8		943	955
69	CSE	Baskaran, P., Karuppasamy, K.	Hybrid teaching learning approach for improving network lifetime in wireless sensor networks	2021	Computers, Materials and Continua	70	1		1975	1992
70	CHEMISTRY	Nisha, P., Suresh, S., Saravanan, P., Jayamoorthy, K., Subash, B., Prakash, S.M., Rajagopalan, N.R., Ravichandran, C.	Effect on hydrophobicity and antimicrobial behavior of epoxy resin due to silane functionalized TiO ₂ as nanofillers	2021	International Journal of Polymer Analysis and Characterization	26	8		668	681

71	MECH	Mathivanan, A., Sudeshkumar, M.P., Ramadoss, R., Ezilarasan, C., Raju, G., Jayaseelan, V.	Finite element simulation and regression modeling of machining attributes on turning AISI 304 stainless steel	2021	Manufacturing Review	8		2021022		
72	EEE	Amosedinakaran, S., Mala, K., Bhuvanesh, A., Kannan, S., Karuppasamy Pandian, M.	Energy Source Expansion Planning for a Real-world Deregulated Electric Utility Considering Emission	2021	IETE Journal of Research					
73	ECE	Suresh, A., Nair, R.R., Neeba, E.A., Kumar, S.A.P.	Recurrent Neural Network for Genome Sequencing for Personalized Cancer Treatment in Precision Healthcare	2021	Neural Processing Letters					
74	IT	Reena Roy, R., Anandha Mala, G.S.	An Improved K-Means Clustering for Segmentation of Pancreatic Tumor from CT Images	2021	IETE Journal of Research					

75	AUTO	Elaiyaran, U., Satheeshkumar, V., Senthilkumar, C.	Surface modification of a magnesium alloy by electrical discharge coating with a powder metallurgy electrode	2021	Materialpruefung /Materials Testing	63	4		360	367
76	IT	Raja, S.K.S., Louis, A.B.V.	Optimal resource allocation in 5G system using modified lion algorithm	2021	IET Communications	15	1		126	141
77	AUTO	Elaiyaran, U., Satheeshkumar, V., Senthilkumar, C.	An investigation on electrical discharge metal matrix coating of ZE41A magnesium alloy	2021	Metallurgical Research and Technology	118	3	314		
78	IT	Raja, S.K., Raman, C.J., UshaKiruthika, S.	A novel fraud detection scheme for credit card usage employing random forest algorithm combined with feedback mechanism	2021	Journal of Information Technology Management	13			21	35
79	AUTO	Elaiyaran, U., Satheeshkumar, V., Senthilkumar, C.	A study on tribological behaviour of electro discharge deposited ze41a magnesium alloy using wear map	2021	Archives of Metallurgy and Materials	66	2		391	396

80	CHEMISTRY	Seethalakshmi, K., Kaviya, M., Venkatachalapathy, B., Mubeena, S., Punnoose, A.M., Sridhar, T.M.	Nanohydroxyapatite-doped polycaprolactone-based nanoscaffolds as a viable drug delivery agent in bone tissue engineering	2021	Journal of Materials Research	36	2		420	430
81	MATHS	Vasu, L., Jagadesh, R., Sundareswaran, R.	Vulnerability parameters in honeycomb networks	2021	Advances in Mathematics: Scientific Journal	10	1		679	686
82	MECH	Ravivarman, R., Prabhu Sekar, R.	Estimation of loss factor based on the load share model in improved bending strength spur gear drive system	2021	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	235	1		33	45

83	CHEMISTRY	Kritika, S., Jothimani, B., Vidhya, S., Sanjeev, K., Mahalaxmi, S., Venkatachalamathy , B., Sureshkumar, S.	Incorporation of hydrophobic nanochitosan improves wear resistance of dental sealants	2021	International Journal of Polymeric Materials and Polymeric Biomaterials	70	5		309	317
84	AUTO,MECH	Venkatesh, A.P., Muniyappan, M., Joel, C., Padmanabhan, S.	Investigation on the effect of nanofluid on performance behaviour of a waste cooking oil on a small diesel engine	2021	International Journal of Ambient Energy	42	5		540	545
85	MECH	Joel, C., Anand, S., Padmanabhan, S., Prasanna Raj Yadav, S.	Thermal analysis of carbon-carbon piston for commercial vehicle diesel engine using CAE tool	2021	International Journal of Ambient Energy	42	2		163	167

2020

SI NO	DEPT	Authors	Title	Year	JOURNAL	Volume	Issue	Art. No.	Page start	Page end
1	MECH	Prem Anand, B., Prasanna Raj Yadav, S., Aasthiya, B., Akshaya, G., Arulmozhi, K.	Effect of fuel injection strategies on the performance of the common rail diesel injection (CRDI) engine powered by biofuel	2020	International Journal of Ambient Energy	41	14		1577	1586
2	CHEMISTRY	Jose, J., Prathibha, T., Karthikeyan, N.S., Venkatesan, K.A., Sriram, S., Seshadri, H., Venkatachalamapathy, B., Ravichandran, C.	Studies on the separation of Am(III) from trivalent lanthanides in high-level waste solution using modifier-free solvents and aqueous soluble bis-1,2,4- triazines	2020	Journal of Radioanalytical and Nuclear Chemistry	326	3		1819	1829
3	IT	Kiruthika, U., Somasundaram, T.S., Raja, S.K.S.	Lifecycle Model of a Negotiation Agent: A Survey of Automated Negotiation Techniques	2020	Group Decision and Negotiation	29	6		1239	1262
4	CIVIL	Kannan Rajkumar, P.R., Mathangi, D.P., C. S., M. N.	Experimental Investigation of Reactive Powder Concrete exposed to Elevated Temperatures	2020	Construction and Building Materials	261		119593		

5	CSE	Dinesh, G., Venkatakrishnan, P., Jeyanthi, K.M.A.	Dispersed spectrum sensing and scheduling in cognitive radio network based on SSOA-RR	2020	International Journal of Communication Systems	33	16	e4588		
6	CSE	Balaji, T., Bhavadharini, R.M., Poorni, R., Krishnaraj, N.	A prediction of crops using machine learning techniques	2020	Journal of Green Engineering	10	11		12392	12403
7	ECE	Hema, R., Sudha, S.	Performance evaluation of universal filtered multi carrier modulation for underwater acoustic communications	2020	Journal of Green Engineering	10	11		10338	10355
8	CSE	Gnanadass, I.	Prediction of Gestational Diabetes by Machine Learning Algorithms	2020	IEEE Potentials	39	6	9258470	32	37
9	AUTO	Ramesh, G., Subramanian, K., Sathiyamurthy, S., Jayabal, S.	Study on influence of fiber length and fiber weight proportion in mechanical behavior of <i>Calotropis gigantea</i> fiber-epoxy composites	2020	Polymer Composites	41	11		4899	4906

10	MECH	Ashok, K.G., Kalaichelvan, K.	Mechanical, ballistic impact, and water absorption behavior of luffa/graphene reinforced epoxy composites	2020	Polymer Composites	41	11		4716	4726
11	MECH	V, A.A.R., R, V., Haghigat, F.	The contribution of dry indoor built environment on the spread of Coronavirus: Data from various Indian states	2020	Sustainable Cities and Society	62		102371		
12	ECE	Meenakshi Vidya, P., Sudha, S.	Open-loop digital clock generator based VLSI architecture for electromagnetic interference reduction	2020	Analog Integrated Circuits and Signal Processing	105	1		21	32
13	MECH, AUTO	Babu, A.K., Kumaresan, G., Antony Aroul Raj, V., Velraj, R.	CFD studies on different configurations of drying chamber for thin-layer drying of leaves	2020	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	42	18		2227	2239

14	MECH	Nandakumar, C., Raman, V., Saravanan, C.G., Vikneswaran, M., Prasanna Raj Yadav, S., Thirunavukkarasu, M.	Effect of nozzle hole geometry on the operation of kapok biodiesel in a diesel engine	2020	Fuel	276		118114		
15	ECE	Josephine, M.S., Lakshmanan, L., Nair, R.R., Visu, P., Ganesan, R., Jothikumar, R.	Monitoring and sensing COVID-19 symptoms as a precaution using electronic wearable devices	2020	International Journal of Pervasive Computing and Communications	16	4		341	350
16	CHEMISTRY	Jayaprakash, N., Suresh, R., Rajalakshmi, S., Sundaravadivel, E., Raja, S.	One-step synthesis of CuO nanoparticles and their effects on H9c2 cardiomyoblasts cells	2020	Inorganic and Nano-Metal Chemistry	50	8		644	653
17	IT	Rajesh Kumar, T., Suresh, G.R., Kanaga Subaraja, S., Karthikeyan, C.	Taylor-AMS features and deep convolutional neural network for converting nonaudible murmur to normal speech	2020	Computational Intelligence	36	3		940	963

18	IT	Vani, V., Ananthalakshmi, S.R.	Soft computing approaches for character credential and word prophecy analysis with stone encryptions	2020	Soft Computing	24	16		12013	12026
19	MECH	Prem Anand, B., Prasanna Raj Yadav, S., Dhanadevi, S.R., Kanimozhi, P., Pavadharani, T.	Exploration of carbon deposit on spark plug of stratified charged gasoline direct injection engine	2020	International Journal of Ambient Energy	41	9		1049	1056
20	PHYSICS	Ayyadurai, S., Reed, T.B., Sudha, M.R.	Experimental analysis of municipal solid waste blended with wood in a downdraft gasifier	2020	Journal of Environmental Engineering and Science	15	4		180	188
21	CHEMIS TRY	Rajasekhar, B., Venkateshwaran, U., Durairaj, N., Divyapriya, G., Nambi, I.M., Joseph, A.	Comprehensive treatment of urban wastewaters using electrochemical advanced oxidation process	2020	Journal of Environmental Management	266		110469		

22	IT	Gnana Priya, G., Suriya, K., Chitra, R., Sindhumeenakshi, M., Varshini, V.S.	Safe electronic application for saline level observing and controlling mechanism	2020	Journal of Green Engineering	10	7		4268	4282
23	EIE	Indumathy, M., Sobana, S., Panda, R.C.	Identification of high temperature short time milk pasteurization unit	2020	Journal of Food Process Engineering	43	7	e13410		
24	EIE	Sangeetha, S., Sreepradha, C., Sobana, S., Bidisha, P., Panda, R.C.	Modeling and Control of the Glucose-Insulin-Glucagon System in Type I Diabetes Mellitus	2020	ChemBioEng Reviews	7	3		89	100
25	ECE	Sriram, S.R., Bindu, B.	A physics-based model for LER-induced threshold voltage variations in double-gate MOSFET	2020	Journal of Computational Electronics	19	2		622	630
26	CHEMISTRY	Jose, J., Prathibha, T., Karthikeyan, N.S., Venkatesan, K.A., Selvan, B.R., Seshadri, H., Venkatachalamapthy, B., Ravichandran, C.	Evaluation of selected solvent systems for the single-cycle separation of Am(III) from Eu(III) using aqueous soluble sulphonated bis-triazinylpyridine	2020	Journal of Molecular Liquids	306		112893		

27	CIVIL	Dinesh, G., Hari Kumar, P., Santhosh, P., Saran, K.	Real-time detection technique for apple leaf diseases from environmental effect	2020	Journal of Green Engineering	10	5		2379	2388
28	CIVIL	Prabha, G., Dinesh Kumar, R.	Alteration for fine aggregate of concrete with the use of m-sand and low density polypropylene plastic waste as sustainable solution	2020	Journal of Green Engineering	10	5		2291	2303
29	CIVIL	Jothilakshmi, M., Dhayachandhran, K.S., Hariharan, N., Suriya, S.	Design of water networking using district metering area concept in Tirupur region	2020	Journal of Green Engineering	10	5		2498	2515
30	MECH	Loganathan, D., Shunmugam, S.K., Ramadoss, R.	Grey relational analysis-based optimisation of input parameters of incremental forming process applied to the AA6061 alloy	2020	Transactions of Famena	44	1		93	104

31	MECH	Prabhu, A., Reddy, B.K., Nagappan, M., Bharath, N.	Effect of Al ₂ O ₃ nano-additives on the performance and emission characteristics of jatropha and pongamia methyl esters in compression ignition engine	2020	International Journal of Ambient Energy	41	5		528	532
32	CIVIL	Dinesh Kumar, R., Ravichandran, P.T., Divya Krishnan, K.	Use of quarry dust with recycled coarse aggregate in sustainable self compacting concrete	2020	Journal of Green Engineering	10	4		1297	1311
33	CSE	Khan, T.H.F., Kumar, D.S.	Ambient crop field monitoring for improving context based agricultural by mobile sink in WSN	2020	Journal of Ambient Intelligence and Humanized Computing	11	4		1431	1439
34	CSE	Heera, S.S., Shreya, J., Moushmi, S., Pavithara, M.P., Kalaban, K.V.	Decentralized digital governance using block chain technology	2020	International Journal of Control and Automation	13	2		764	770
35	CSE	Heera, S.S., Rahul, D., Athreya, S.S., Narasimman, S.S., Harini, K.M.	Smart farming using deep learning technique	2020	International Journal of Control and Automation	13	2		771	775

36	CSE	Baskaran, P., Aasim, A.S.R., Yusuf, A., Bordoloi, D.	Smart recognition and apprise system with IoT	2020	International Journal of Control and Automation	13	2		604	610
37	CSE	Sobitha Ahila, S., Srivatsan, R., Srihari, L., Venkatraman, L.	Garbage classification and monitoring using IOT	2020	International Journal of Advanced Science and Technology	29	3		8932	8941
38	CSE	Geetha, A., Aravindan, M., Anandjahan, J., Aravindh, S.	CNN based fall detection and health monitoring system using IoT	2020	International Journal of Advanced Science and Technology	29	3		8820	8831
39	CSE	Vidhyalakshmi, V.S., Arun, S., Arulmozhi Karthic, R., Balajhi, D.S.	Crop disease detection using convolutional neural network algorithm	2020	International Journal of Advanced Science and Technology	29	3		8942	8951
40	CSE	Abirami, A., Muthulakshmi, K., Pritheevi, V.A., Tamilselvan, G.	Digitalization of public distribution system	2020	International Journal of Advanced Science and Technology	29	3		8795	8800

41	MECH	Saravanan, C.G., Raj Kiran, K., Vikneswaran, M., Rajakrishnamoorthy, P., Yadav, S.P.R.	Impact of fuel injection pressure on the engine characteristics of CRDI engine powered by pine oil biodiesel blend	2020	Fuel	264		116760		
42	PHYSICS	Kavitha, R., Nirmala, S., Nithyabalaji, R., Sribalan, R.	Biological evaluation, molecular docking and DFT studies of charge transfer complexes of quinaldic acid with heterocyclic carboxylic acid	2020	Journal of Molecular Structure	1204		127508		
43	EEE	Shivani, P., Swetha Vilashini, B.	Evaluation and Tabulation of Myriad Types of Multiport Converters on Renewable Energy	2020	SSRG International Journal of Electrical and Electronics Engineering	7	3		18	23
44	IT	Ranganathan, R., Kambalapally, V., Kannan, K.	Modelling link failure in the presence of extended hidden terminals over multi-hop wireless ad hoc networks	2020	SN Applied Sciences	2	3	383		

45	CIVIL	Mahdi, S.N., Babu, R.D.V., Arunraj, A., Shashishankar, A.	Strength evolution of eco-friendly geopolymers mortar under ambient temperature	2020	Journal of Green Engineering	10	3		827	842
46	MATHS	Vidhyaa, K.S., Graef, J.R., Thandapani, E.	New oscillation results for third-order half-linear neutral differential equations	2020	Mathematics	8	3	325		
47	CSE	Alleema, N.N., Kumar, D.S.	Volunteer nodes of ant colony optimization routing for minimizing delay in peer to peer MANETs	2020	Peer-to-Peer Networking and Applications	13	2		590	600
48	MECH	Muthukumaran, N., Prasanna Raj Yadav, S., Saravanan, C.G., Sekar, T.	Synthesis of cracked Mahua oil using coal ash catalyst for diesel engine application	2020	International Journal of Ambient Energy	41	3		241	256
49	IT	Ranganathan, R., Somanathan, B., Kannan, K.	Fuzzy-Based Cluster Head Amendment (FCHA) Approach to Prolong the Lifetime of Sensor Networks	2020	Wireless Personal Communications	110	3		1533	1549

50	CHEMIS TRY	Jayaprakash, N., Suresh, R., Rajalakshmi, S., Raja, S., Sundaravadivel, E., Gayathri, M., Sridharan, M.	One-step synthesis, characterisation, photocatalytic and bio-medical applications of ZnO nanoplates	2020	Materials Technology	35	2		112	124
51	MECH	Shaisundaram, V.S., Chandrasekaran, M., Mohan Raj, S., Muraliraja, R.	Investigation on the effect of thermal barrier coating at different dosing levels of cerium oxide nanoparticle fuel on diesel in a CI engine	2020	International Journal of Ambient Energy	41	1		98	104
52	CIVIL	Goplalakrishnan, R., Mohan, A., Ponrajsankar, L., Vijayan, D.S.	Characterisation on toughness property of self-compacting fibre reinforced concrete	2020	Journal of Environmental Protection and Ecology	21	6		2153	2163
53	EEE	Priyanka, S., Leones Sherwin Vimalraj, S., Lydia, J.	Probability detection for heterogeneous networks using FODPSO with ACO optimization in tunnel based high speed trains	2020	Advances in Parallel Computing	37			371	375

54	CHEMIS TRY	VasanthaRaghavan, V., Cingaram, R.	Voltammetry determination of cefotaxime on zinc oxide nanorod modified electrode	2020	Current Pharmaceutical Analysis	17	1		40	46
55	AUTO	Ramesh, G., Subramanian, K., Sathiyamurthy, S., Prakash, M.	Calotropis Gigantea Fiber-epoxy Composites: Influence of Fiber Orientation on Mechanical Properties and Thermal Behavior	2020	Journal of Natural Fibers					
56	MATHS	Anitha, J., Rajasingh, I.	Power domination in tree derived architectures	2020	Journal of Combinatorial Mathematics and Combinatorial Computing	112			53	63
57	AUTO	Swaminathan, G., Kumar, S.D., Sathiyamurthy, S., Mathivanan, A.	Influence of process variables on fracture behaviours of AA7075/AA6101 friction stir welded joints	2020	International Journal of Microstructure and Materials Properties	15	3		196	214

58	CSE	Padmakala, S., Mala, G.S.A., Anandkumar, K.M.	Using diverse set of features to design a content-based video retrieval system optimised by gravitational search algorithm	2020	International Journal of Business Intelligence and Data Mining	17	4		444	470
59	AUTO	Jeyapragash, R., Srinivasan, V., Sathiyamurthy, S.	Tensile, flexural and impact behaviors of particulate/calotropis gigantea stem fiber reinforced epoxy composites	2020	ARPN Journal of Engineering and Applied Sciences	15	9		1049	1055
60	CIVIL	Latha, P.K., Venugopal, V., Elangovan, R.K., Neelamegam, M., Rekha, S.	Thermal discomfort and health symptoms in indian occupational settings in the climate change scenario	2020	Pollution Research	39	2		481	488
61	IT	Ganesh, S., Vengatesan, V., Richard Jimreeves, J., Ramasubramanian, B.	Simultaneous network reconfiguration and pmu placement in the radial distribution system	2020	Advances in Mathematics: Scientific Journal	9	10		8143	8151

62	CIVIL	Vidyapriya, V., Sheeja, R., Karthika, R.B., Ramalingam, M.	An urban flood modeling using geospatial technology: A case study of mambalam micro watershed	2020	Journal of Advanced Research in Dynamical and Control Systems	12	5 Special Issue		1443	1452
63	CIVIL	Nagarajan, D., Rajagopal, T., Meyappan, N.	A Comparative Study on Prediction Models for Strength Properties of LWA Concrete Using Artificial Neural Network	2020	Revista de la Construccion	19	1		103	111
64	CIVIL	Divyah, N., Thenmozhi, R., Neelamegam, M.	Strength properties and durability aspects of sintered-fly-ash lightweight aggregate concrete	2020	Materiali in Tehnologije	54	3		301	310
65	IT	Kannan, K., Devaraju, M., Rosaline, S.	Enhancing quality of service detection service with priority approach in medium access layer	2020	International Journal on Emerging Technologies	11	3		229	233
66	CIVIL	Divyah, N., Thenmozhi, R., Neelamegam, M.	Experimental and numerical analysis of batten built-up lightweight concrete encased composite columns subjected to axial cyclic loading	2020	Latin American Journal of Solids and Structures	17	3	e259		

67	MECH, AUTO	Babu, A.K., Kumaresan, G., Antony Aroul Raj, V., Velraj, R.	Experimental Investigations of Thin-layer Drying of Leaves in a Heat-Pump Assisted Tray-type Batch Drying Chamber	2020	Strojnicki Vestnik/Journal of Mechanical Engineering	66	4		254	265
68	ECE	Saranya, S., Sudha, S.	Certain mathematical investigations on prenatal down syndrome detection using anfis classification approach	2020	Applied Mathematics and Information Sciences	14	1		97	104
69	CSE	Devan, K.P.K., Sruthi Prabakaran, P., Tamizhazhagan, S., Vaishnavi, S.	Automatic evaluation of exam papers - a survey	2020	International Journal of Advanced Science and Technology	29	4 Specia l Issue		313	318
70	CIVIL	Christi, S., Arunraj, A., Venkatesan, V., Logaraja, R.	Study on behavior of sustainable ferrocement overlay beam using M-Sand	2020	Journal of Green Engineering	10	1		144	160

71	ECE	Suresh Babu, T.N., Sivakumar, D.	Stepped slot patch antenna with copper ground plane and solar cell ground plane for future mobile communications	2020	Progress In Electromagnetics Research C	98			187	198
72	CSE	Bhanumathi, M., Albrin, R., Sainadh, B., Hemanth, T.	Exyno systima - An automated emergency distress call using hybrid power generation	2020	International Journal of Scientific and Technology Research	9	1		2627	2629
73	CSE	Lakshmanan, Vinitha Sree, L., Gayathri, S., Sathya, M.	Steganography using dft based texture synthesis	2020	International Journal of Scientific and Technology Research	9	1		3872	3874
74	CSE	Bhuvaneswari, S., Deepa, V., Nisha Devi, V., Indhuja, A.	An enhancement of cluster wrapper in grid computing environment to support internet of things (Iot)	2020	International Journal of Scientific and Technology Research	9	1		2630	2634
75	IT	Appandairaj, P., Kannan, K.	Software-defined multilayered admission control for quality of service assurance in mobile Ad-hoc networks	2020	Wireless Communications and Mobile Computing	2020		2989751		

76	MECH	Prasanna Raj Yadav, S., Saravanan, C.G., Karthick, S., Senthilnathan, K., Gnanaprakash, A.	Fundamental droplet evaporation and engine application studies of an alternate fuel produced from waste transformer oil	2020	Fuel	259		116253		
77	MECH	Kumar, S., Arun Prakash, S., Pandiyarajan, V., Geetha, N.B., Antony Aroul Raj, V., Velraj, R.	Effect of phase change material integration in clay hollow brick composite in building envelope for thermal management of energy efficient buildings	2020	Journal of Building Physics	43	4		351	364

2019

SI NO	DEPT	Authors	Title	Year	JOURNAL	Volume	Issue	Art. No	Page start	Page end
1	CIVIL	Karthika, V.S., Mohan, A., Kumar, R.D., James, C.	Sustainable consideration by characterization of concrete through partial replacement of fine aggregate using granite powder and iron powder	2019	Journal of Green Engineering	9	4		514	525
2	CIVIL	Prabha, S.L., Surendar, M., Neelamegam, M.	Experimental investigation of eco-friendly mortar using industrial wastes	2019	Journal of Green Engineering	9	4		626	637
3	IT	Sudha, C., Leninisha, S., Dhivagar, G.	A new technique for semi-automatic road extraction using high resolution satellite images	2019	International Journal of Scientific and Technology Research	8	12		2495	2499
4	CSE	Dinesh, G., Rajinikanth, C., Maheswara Venkatesh, P., Vanitha, T.V.	An optimized Dijkstra's SPF algorithm used multihop clustering for scalable IoT systems	2019	International Journal of Advanced Science and Technology	28	14		298	306

5	CSE	Vidhyalakshmi, V.S., Geetha, A., Sobitha Ahila, S.	Real estate management using smart contracts	2019	International Journal of Advanced Science and Technology	28	13		616	621
6	IT	Priyatharshini, R., Aparajitha, K., Aarthi, B., Dhivya, N.	Design and development of an efficient mining framework for pre-cancerous lesion detection in lung using non-invasive ct imaging	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		4790	4794
7	IT	Usha Kiruthika, S., Kanaga Suba Raja, S., Balaji, V., Raman, C.J., Durai Arumugam, S.S.L.	Detection of tuberculosis in chest X-rays using U-net architecture	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		2514	2519
8	IT	Reena Roy, R., Maanasi, K., Pavithra, R., Rekha, M.	Early detection of stenosis in coronary artery using adaboost and ANN classification	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		4352	4356

9	IT	Balaji, V., Kanaga Suba Raja, S., Aparna, S., Haritha, J., Lakshmi Kanya, M.	Smart assistance for asperger syndrome using raspberry pi	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		2680	2683
10	IT	Ananthi, N., Akshaya, S., Aarthi, B., Aishvarya, J., Kumaran, K.	An image processing based fungus detection system for mangoes	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		3493	3497
11	CIVIL	Sounthararajan, V.M., Sivasankar, S., Dhinakaran, S., Modak, N., Gopalakrishnan, R.	Performance in binary characteristics of sisal fibre reinforced concrete	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		44	47

12	EEE	Thirusenthil Kumaran, P., Pushpakarthick, P., Chidambarathanu, G.V., Venkatachalam, M., Durai, X.R., Jaiganesh, R.	Power quality in distribution grids	2019	International Journal of Innovative Technology and Exploring Engineering	9	1		2964	2967
13	CSE	Mercy Rajaselvi, V., Arun, K.G., Akash, V., Keerthananjali, G.	A virtual scribe system using convolutional neural network to aid the physically challenged	2019	International Journal of Advanced Science and Technology	28	12		430	440
14	CSE	Bhavadharini, R.M., Sughi, D.A., Sundar, S., Sumalatha, P., Sundari Swathy Meena, H.	Intraday stock trend analysis based on social sentiments and prediction of entry and stoploss	2019	International Journal of Advanced Science and Technology	28	12		420	429
15	CSE	Kayalvizhi, S., Amirtha Sughi, D., Divyalakshmi, R.	Automation in manufacturing and retail industry using smart labels	2019	International Journal of Advanced Science and Technology	28	12		450	459
16	CSE	Devan, K.P.K., Harikumar, P.	Computing minimum support price to promote agriculture as a sustainable model	2019	International Journal of Advanced Science and Technology	28	12		411	419

17	MECH	Shaisundaram, V.S., Chandrasekaran, M., Mohan Raj, S., Muraliraja, R., Vinodkumar, T.	Control of carbon dioxide emission in automobile vehicles using CO ₂ scrubber	2019	International Journal of Ambient Energy	40	7		699	703
18	IT	Raja, S.K.S., Hema, M.	An optimal algorithm to improve resource utilization in cloud data centre	2019	International Journal of Engineering and Advanced Technology	9	1		2184	2188
19	AUTO	Ramesh, P., Balaji, D.S., Gnanasekaran, V., Gopi, P.	Design and fabrication of manually powered path cleaner using pulley drives	2019	International Journal of Engineering and Advanced Technology	9	1		293	295
20	MECH	Yuvaraj, G., Ramakrishnan, G., Elayaraja, T., Ragul Srinivasan, G.V., Hariharasudhan, T.	Experimental research on hybrid natural/glass fiber based epoxy composite	2019	International Journal of Engineering and Advanced Technology	9	1		3359	3362
21	EEE	Karpagam, R., Lydia, J., Leones Sherwin Vimalraj, S., Suganthi, S., Shanthi, K.	Synchronized control of voltage and current harmonics in distributed generation system using fuzzy controller	2019	International Journal of Innovative Technology and Exploring Engineering	8	12		1179	1182

22	ECE	S, J., S, S.	Hybrid hyperspectral image compression technique for non-iterative factorized tensor decomposition and principal component analysis: application for NASA's AVIRIS data	2019	Computational Geosciences	23	5		969	979
23	CHEMISTRY	Balijapalli, U., Manickam, S., Thirumoorthy, K., Natesan Sundaramurthy, K., Sathiyanarayanan, K.I.	(Tetrahydrodibenzo[a, i]phenanthridin-5-yl)phenol as a Fluorescent Probe for the Detection of Aniline	2019	Journal of Organic Chemistry	84	18		11513	11523
24	CSE	Geetha, A., Sobitha Ahila, S., Vidhya Lakshmi, V.S., Kalpana Devi, S.	An empirical research for secured storage and protecting unauthorized access of organ donor details	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1443	1449
25	EIE	Nagarajan, S., Kalavani, K., Navaseelan, P., Kalaiselvi, T., Sobana, S.	ANFIS based fault detection and identification of control valve failures in three tanks interacting level process	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1389	1397

26	MECH	Billy, D., Paulmar Pushparaj, J., Vetrivel Sezhian, M., Arulvel, S., Omshakthivel, U.	Structural and mechanical design of solar tracking system	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1425	1431
27	CIVIL	Feiroz Khan, T.H., Siva Kumar, D.	Flood control and water management at basin level-at orathur of Kanchipuram district	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1418	1421
28	MECH, AUTO	Karthikeyan, K., Naga Chandrika, K.K., Deepan Raj Kumar, A., Thiagarajan, S., Vishnukumar, V.	Research on mechanical behavior of AMMC (Al-SiC) composite in disc brake	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1432	1437
29	EEE	Gowrishankar, J., Kaliappan, E., Farzana, D.F., Chidambarathanu, G.V., Karthick, K.P.	Modeling of PV array for DC-DC flyback converter with asymmetrical output voltage	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1406	1409
30	CSE	Sri Heera, S., Suganthan, P., Athreya, S.S., Narasimman, S.S., Rakesh, M.	Automated irrigation and smart farming	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1450	1452

31	CIVIL	Chandrakanthamma, L., Jothilakshmi, M., Dhayachandhran, K.S., Goel, R.	The photocatalytic activity of cement in reducing air pollutants	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1422	1424
32	EEE	Vijeesh, V., Kaliappan, E., Ponkarthika, B., Vignesh, G.	Design of wearable shoe for blind using LIFI technology	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1398	1401
33	MECH	Jeremiah, R., Prabhakaran, D., Jothi Prakash, V.M., Prasath, P., Raghavendran, J.	Design and fabrication of centre line marker	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1438	1442
34	AUTO	Vijaya Prakash, B., Sundarapandian, S.	Selection of effective control factors for TMT bars using taguchi	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1458	1463
35	CSE	Murthy, P.V.N.S.L.S.S.R., Khanaa, V., Bandaru, V.N.R., Abirami, A.	Secure auditing and storage systems in cloud service	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1453	1457

36	EEE	Kaliappan, E., Ponkarthika, B., Gowrishankar, J., Vignesh, G., Vijeesh, V.	Wireless monitoring of industrial drives using internet of things technology (IOT)	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1410	1417
37	EEE	Ponkarthika, B., Kaliappan, E., Vijeesh, V., Vignesh, G.	Design of hand movement based smart automation system	2019	International Journal of Engineering and Advanced Technology	8	6 Special Issue 3		1402	1405
38	IT	Naveen Nanda, M., Venkata Subramanian, D., Kalyan Chakravarthy, N.S.	C-score: An alternative banking methodology	2019	International Journal of Recent Technology and Engineering	8	2 Special Issue 11		2439	2442
39	IT	Balamurali, R., Kathiravan, K., Krishnan, T.	Mitigating Hotspot Issue in WSN Using Sensor Nodes with Varying Initial Energy Levels and Quantification Algorithm	2019	Cybernetics and Information Technologies	19	3		118	136
40	EIE	Nimilan, V., Manohar, G., Sudha, R., Stanley, P.	Drone-aid: An aerial medical assistance	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue		1288	1292

41	IT	Padmapriya, S., Jimreeves, J.S.R., Kalaiselvi, P., Nageswaran, A., Arun, S.	Metaclassifiers for predicting the robotic navigational performance	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue		1234	1238
42	EEE	Gowrishankar, J., Fathema Farzana, D., Kaliappan, E., Balasundaram, G., Belwin Edward, J.	A 13-level asymmetrical cascaded inverter for photovoltaic system with DC-DC flyback converter	2019	International Journal of Recent Technology and Engineering	8	3		6584	6591
43	EIE	Purushothaman, S., Sugashini, R.K.	"An empirical research on student's usage of social networking towards professional grooming with reference to Ramapuram at Thiruvallur district"	2019	International Journal of Innovative Technology and Exploring Engineering	8	11 Special Issue		744	746
44	IT	Kiruthika, U., Kanagasuba Raja, S., Jaichandran, R., Priyadharshini, C.	Detection and classification of paddy crop disease using deep learning techniques	2019	International Journal of Recent Technology and Engineering	8	3		4353	4359

45	CSE	Anandkumar, K.M., Ramachandran, A., Arunprakash, R., Manikandan, B.	New wireless multifunctional smart robot for border security surveillance with real time object recognition	2019	International Journal of Recent Technology and Engineering	8	3		3298	3304
46	CSE	Anbu, M., Anandha Mala, G.S.	Feature selection using firefly algorithm in software defect prediction	2019	Cluster Computing	22			10925	10934
47	CIVIL	Rajagopalan, G.	Durability of alumina silicate concrete based on slag/fly ash blends against corrosion	2019	Engineering, Construction and Architectural Management	26	8		1641	1651
48	IT	Jaichandran, R., Bagath Basha, C., Shunmuganathan, K.L., Rajaprakash, S., Kanagasuba Raja, S.	Sentiment analysis of movies on social media using R studio	2019	International Journal of Engineering and Advanced Technology	8	6		2171	2175

49	MECH	Joel, C., Jeyapoovan, T.	Machinability optimization of abrasive water jet cutting process on AA6082 aluminium alloy	2019	International Journal of Innovative Technology and Exploring Engineering	8	10		2134	2140
50	ECE	Feiroz Khan, T.H., Siva Kumar, D.	An obstacle aware mobile sink path strategy in WSN	2019	Indonesian Journal of Electrical Engineering and Computer Science	15	2		879	887
51	MATHS	Babujee, J.B., Jagadesh, R.	Super edge bimagic labeling for some classes of connected graphs derived from fundamental graphs	2019	International Journal of Combinatorial Graph Theory and Applications	4	2		117	125
52	CSE	Priyadarshini, R., Kayalvizhi, S., Geetha, A., Premkumar, T.	Data driven scene classification to analyze ADAS	2019	International Journal of Recent Technology and Engineering	8	2 Special Issue 4		117	119
53	PHYSICS	Sudha, M.R., Sumathi, C.P., Saravanakumar, A.	An optimal energy consumption based resource management in mobile cloud computing	2019	International Journal of Recent Technology and Engineering	8	2 Special Issue 4		103	109

54	IT	Raja, C., Balaji, L.	An Automatic Detection of Blood Vessel in Retinal Images Using Convolution Neural Network for Diabetic Retinopathy Detection	2019	Pattern Recognition and Image Analysis	29	3		533	545
55	PHYSICS	Venkateswarulu, B.V., Subbu, N., Ramamurthy, S.	An efficient routing protocol based on polar tracing function for underwater wireless sensor networks for mobility health monitoring system application	2019	Journal of Medical Systems	43	7	218		
56	ECE	Noor Alleema, N., Siva Kumar, D.	Cooperative and fresher encounter algorithm for reducing delay in MANET	2019	Indonesian Journal of Electrical Engineering and Computer Science	14	3		1258	1265
57	CSE	Ramya Devi, R., Anandhamala, G.S.	Analysis of Breast Thermograms Using Asymmetry in Infra-Mammary Curves	2019	Journal of Medical Systems	43	6	146		

58	IT & CSE	Priyatharshini, R., Chitrakala, S.	A Self-Learning Fuzzy Rule-based System for Risk-Level Assessment of Coronary Heart Disease	2019	IETE Journal of Research	65	3		288	297
59	ECE	Priya, C., Sudha, S.	Adaptive Fruitfly Based Modified Region Growing Algorithm for Cardiac Fat Segmentation Using Optimal Neural Network	2019	Journal of Medical Systems	43	5	104		
60	CHEMISTRY	Sureshkumar, S., Venkatachalam, B., Sridhar, T.M.	Enhanced H ₂ S gas sensing properties of Mn doped ZnO nanoparticles - An impedance spectroscopic investigation	2019	Materials Research Express	6	7	75009		
61	ECE	Sivakumar, D., Deepak, R., Sdhyiva, D., Lakshmi, G.	Monitoring system for industrial applications	2019	International Journal of Recent Technology and Engineering	7	6		1820	1823

62	ECE	Sivakumar, D., Gurumurthy, J., Balan, B., Thiayakaraj, S.V., Sriram, S., Ahmed, S.A.	Optimization of multiplier design in FIR filters	2019	International Journal of Recent Technology and Engineering	7	6		527	530
63	ECE	Siva Kumar, D., Prem Anand, M., Deepan Raj, K., Thalapathi Raj, P., Yashwanth, R., Yogesh, S.	Electronic stick for visually impaired people with buzzer alert	2019	International Journal of Recent Technology and Engineering	7	6		918	924
64	ECE	Suriya Krishnan, K., Sivakumar, D., Madhumitha, M.K., Kaayathiry, R., Immanuel Ebenezer, R.	Portable multi-utility porter system in android applications	2019	International Journal of Recent Technology and Engineering	7	6		7	10

65	ECE	Balan, B., Sivakumar, D., Murali Krishna, K.B., Lakshman, N.M., Marthandam, R.	Stair climbing robot using star-wheel methodology	2019	International Journal of Recent Technology and Engineering	7	6		1864	1866
66	ECE	Senthamizh Selvi, R., Sivakumar, D., Sandhya, J.S., Siva Sowmiya, S., Ramya, S., Kanaga Suba Raja, S.	Face recognition using Haar - Cascade classifier for criminal identification	2019	International Journal of Recent Technology and Engineering	7	6		1871	1876
67	ECE	Deepika, V.G.A., Srivatsan, M.A., Aruthra, B., Babu, B.	Human essential parameters monitoring and precaution system	2019	International Journal of Recent Technology and Engineering	7	6		1572	1576
68	CSE	Sobitha Ahila, S., Sivakumar, D., Suganthan, A., Arunkumar, M., Manish Kumar, S.	BOT-O-PEDIA - Learning simplified	2019	International Journal of Recent Technology and Engineering	7	6		1877	1884

69	CSE	Sobitha Ahila, S., Sivakumar, D., Naveen Nanda, M., Nivedita, Nair, S.K., Kannan, S.	Traffic lights analysis and manipulation for emergency vehicles using deep learning algorithm	2019	International Journal of Recent Technology and Engineering	7	6		1852	1858
70	ECE	Sivakumar, D., Sri Arunaa, J., Suresh Babu, T.N.	Design of mimo antenna for wlan/wimax applications	2019	International Journal of Recent Technology and Engineering	7	6		1031	1036
71	ECE	Sivakumar, D., Balan, B., Fathima Naseem, K., Dhivya, T., Gayathri, R.	An adaptive method for monitoring the quality of a structure	2019	International Journal of Recent Technology and Engineering	7	6		1859	1863
72	ECE	Sivakumar, D., Suriyakrishnaan, K., Akshaya, P., Anuja, G.V., Devadharshini, G.T.	Computerized growth analysis of seeds using deep learning method	2019	International Journal of Recent Technology and Engineering	7	6		1885	1892

73	CHEMISTRY	Ponram, M., Balijapalli, U., Sambath, B., Kulathu Iyer, S., Kakaraparthi, K., Thota, G., Bakthavachalam, V., Cingaram, R., Sung-Ho, J., Natesan Sundaramurthy, K.	Inkjet-printed phosphorescent Iridium(III) complex based paper sensor for highly selective detection of Hg ²⁺	2019	Dyes and Pigments	163			176	182
74	CHEMISTRY	Seethalakshmi, K., Venkatachalapathy, B., Kaviya, M., Mubeena, S., Punnoose, A.M., Sridhar, T.M.	6-O-tritylchitosan reinforced polycaprolactone nano scaffolds for bone replacement applications - A physicochemical study	2019	Materials Research Express	6	6	65308		
75	EIE	Manohar, G., Stanley, P., Lakshmi, R., Preethi, S.	Embedded based woman safety information system	2019	International Journal of Psychosocial Rehabilitation	23	4		1883	1888
76	MATHS	Anitha, J., Rajasingh, I.	Zero forcing in benzenoid network	2019	Proyecciones	38	5		999	1010

77	EEE	Thilagar, K.V., Mala, K., Vijaya Kumar, S., Chandrakala, D.	Power imbalance control in PV power plants using delta connected cascaded MLI	2019	Test Engineering and Management	81	45242		6171	6176
78	MBA	Banu Reka, R., Sasirekha, R.	A study of investor attitude & perception in Chennai City	2019	Test Engineering and Management	81	45242		4488	4492
79	MBA	Saravanan, K., Subhamathi, V.	Leveraging business analytics to competitive advantage	2019	Test Engineering and Management	81	45242		4515	4519
80	IT	Kannan, K., Devaraju, M., Rosaline, S.	Priority value based discriminate routing to improve quality of service in mobile ADHOC network	2019	Journal of Advanced Research in Dynamical and Control Systems	11	10 Special Issue		868	877
81	MECH	Ravivarman, R., Palaniradja, K., Prabhu Sekar, R.	Performance enhancement of normal contact ratio gearing system through correction factor	2019	Journal of Mechanical Engineering and Sciences	13	3		5242	5258

82	AUTO, MECH	Hariharan, C., Sanjana, S., Saravanan, S., Shyam Sundar, S., Arun Prakash, S., Antony Aroul Raj, V.	CFD studies for energy conservation in the HVAC system of a hatchback model passenger car	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					
83	MBA	Saikumari, V., Sunitha, V., Nandini, A.	A study on green banking practices in india and its initiations by Indian banks	2019	Journal of Advanced Research in Dynamical and Control Systems	11	2 Special Issue		2181	2184
84	MECH	Giridharan, K., Sevvel, P., Senthilnathan, K., Muthukumaran, S., Padmanabhan, S.	Experimental study on mechanical properties of friction stir welded dissimilar joints of Aluminium alloys AA8011-AA6082	2019	International Journal of Vehicle Structures and Systems	11	2		135	139
85	CSE	Geetha, S., Ramamoorthy, S., Kanya, N., Anandha Mala, G.S.	Extraction of sequence of actions from unstructured requirements specification document	2019	Journal of Computational and Theoretical Nanoscience	16	45052		2108	2112

86	ECE	SriVenkateswaran, C., Sivakumar, D.	Secure cluster-based data aggregation in wireless sensor networks with aid of ECC	2019	International Journal of Business Information Systems	31	2		153	169
87	ECE	Sridharan, S., Sudha, S.	Optimisation of speed control for switched reluctance motor using matrix converter	2019	International Journal of Computer Aided Engineering and Technology	11	2		253	266