

**Journal Publications - (2019 - 2024)**

**SCOPUS INDEXED**

**h-index = 34 (Of the 1297 documents considered for the h-index, 34 have been cited at least 34 times.)**

Year	No. of citations	No. of publications	Avg. Citation index
2019	551	123	4.48
2020	650	71	9.15
2021	891	66	13.50
2022	1290	172	7.50
2023	1515	179	8.46
<b>Total</b>	4897	611	8.01

Year	Document Title	Authors	ISSN	Journal Title	Volume	Issue
2024	Investigation on Constraints and Recommended Context Aware Elicitation for IoT Runtime Workflow	Kumar V.S., Kulkarni S., Mukkapati N., Singhal A., Tiwari M., David D.S.	21476799	International Journal of Intelligent Systems and Applications in Engineering	12	3s
2023	An intelligent data routing strategy based on deep reinforcement learning for IoT enabled WSNs	S S.S., V P., V P.	27726711	e-Prime - Advances in Electrical Engineering, Electronics and Energy	6	
2023	On the performance of delta sigma modulators for DCO-OFDM based NOMA visible light communication systems	Vappangi S., Deepa T., Mani V.V., Bharathiraja N.	303992	Optics and Laser Technology	167	
2023	Catalytic response and molecular simulation studies in the development of synthetic routes in trimeric triaryl pyridinium type ionic liquids	Tamilarasan R., Subramani A., Sasikumar G., Ganapathi P., Karthikeyan S., Ponnusamy S., Albukhaty S., Mohammed M.K.A., Al-aqbi Z.T., Al-Doghachi F.A.J., Ahmed D.S., Taufiq-Yap Y.H.	20452322	Scientific Reports	13	1

2023	ZnO quantum dots @ nitrogen and sulfur Co-doped porous carbon nanosheets for the detection of lung cancer biomarkers in exhaled breath	Nithyakalyani K., Jobin Christ M.C.	13698001	Materials Science in Semiconductor Processing	167	
2023	Performance analysis on single slope solar still with absorber coated using iron oxide nanoparticles at different water thickness	Dhasan K.S., Sathyamurthy R., Mohanasundaram K., Sudalaimuthu P.	0038092X	Solar Energy	264	
2023	Theoretical Enhancement of Energy Production Performance in PV Arrays through Effective Shadow Detection Using Hybrid Technique	Subhashini P., Chitra P., Muthuvairavan Pillai N., Vanitha M.	0038092X	Solar Energy	264	
2023	Recalling-enhanced recurrent neural network optimized with wood pecker mating algorithm for brain tumor classification	Suganthy M., Ashok S., Uma Maheswari A., Subha T.D.	15320626	Concurrency and Computation: Practice and Experience	35	22
2023	Efficient Graph Network Using Total Magic Labeling and Its Applications	Meenakshi A., Kannan A., Cep R., Elangovan M.	22277390	Mathematics	11	19
2023	Impact of pH levels on the morphological, dielectric and impedance spectral behaviour of cobalt oxide nanomaterials	Senthil S., Ratchagar V., Thangeeswari T., Srinivasan S., Murugan R.	18423582	Digest Journal of Nanomaterials and Biostructures	18	4
2023	Development and Implementation of an Intelligent Health Monitoring System using IoT and Advanced Machine Learning Techniques	Pabitha C., Kalpana V., Sonia E.S.V., Pushpalatha A., Mahendran G., Sivarajan S.	27891801	Journal of Machine and Computing	3	4
2023	Reduction in Residential Electricity Bill and Carbon Dioxide Emission through Renewable Energy Integration Using an Adaptive Feed-Forward Neural Network System and MPPT Technique	Balakrishnan R., Geetha V., Kumar M.R., Leung M.-F.	20711050	Sustainability (Switzerland)	15	19
2023	Multi-level classification of Alzheimer disease using DCNN and ensemble deep learning techniques	Rajesh Khanna M.	18631703	Signal, Image and Video Processing	17	7
2023	Solutions for software requirement risks using artificial intelligence techniques	Reddy V.K.R., Rahamathunnisa U., Subhashini P., Aancy H.M., Meenakshi S., Boopathi S.		Handbook of Research on Data Science and Cybersecurity Innovations in Industry 4.0 Technologies		

2023	A novel long short-term memory method for model for stock price prediction	Archana K.S., Sivakumar B., Abishek B.E., Taj S.G., Reddy V.K., Vijayalakshmi A.		Handbook of Research on Advancements in AI and IoT Convergence Technologies		
2023	Mathematical modelling of the biofiltration treating mixtures of toluene and N-propanol in the biofilm and gas phase	Li S., Chithra S.M., Sudha P.N., Sankeshwari S.N., Vignesh S., Vairavel T.M., Govindan V., Abdalbagi M., Fadhl B.M., Makhdoum B.M., Khan M.I.	3603199	International Journal of Hydrogen Energy	48	76
2023	A Comparative Study of Fuzzy Domination and Fuzzy Coloring in an Optimal Approach	Meenakshi A., Kannan A., Mahdal M., Karthik K., Guras R.	22277390	Mathematics	11	18
2023	The size dependence and defect induced room temperature ferromagnetism of ZnO and Zn 1-x-y AlxZyO (Z=Mg/Ni) nanocomposites	Anithadevi R., Kalpana J., Shanthi D., Ravichandran C.	18422403	Journal of Ovonic Research	19	5
2023	A Heuristic-Concatenated Feature Classification Algorithm (H-CFCA) for autism and epileptic seizure detection	Sivasaravana Babu S., Prabhu V., Parthasarathy V., Saravana Kumar G.	17468094	Biomedical Signal Processing and Control	86	
2023	Experimental investigation and economically productivity improvement analysis on single slope solar still from Ricinus Communis leaves with Ag nanoparticles doped phase change materials	Ellappan B., Madhavan V.R.	0038092X	Solar Energy	261	
2023	Effect of Silica Nanoparticles and Modified Silica Nanoparticles on the Mechanical and Swelling Properties of EPDM/SBR Blend Nanocomposites	Ragupathy K., Prabakaran G., Pragadish N., Vishvanathperumal S.	1876990X	Silicon	15	14
2023	Two-phase classification: ANN and A-SVM classifiers on motor imagery BCI	Mary Judith A., Baghavathi Priya S., Mahendran R.K., Gadekallu T.R., Ambati L.S.	15618625	Asian Journal of Control	25	5
2023	Electric discharge machining: A promising choice for surface modification of metallic implants	Gugulothu B., Sharma P., Pragadish N., Vidyapriya V., Venkatesan H.		Handbook of Research on Advanced Functional Materials for Orthopedic Applications		
2023	Fuzzy Refinement-Based Tissue and Ring Connectivity for Brain Skull Segmentation	Singh N.B., Marianthiran V.J.	23488549	SSRG International Journal of Electronics and Communication Engineering	10	8
2023	3-WAY Secured WSN with CSDSM-DNN based Intrusion Detection Model	Santhi K., Sowmiya B., Shalinirajan R., Vijayashanthi V., Vasudhevan V.	23218169	International Journal on Recent and Innovation Trends in Computing and Communication	11	8

2023	Blink talk: A machine learning-based method for women safety using EEG and eye blink signals	Priya K.S., Vasanthi S., R N., G V.C., P G.J., M K., C P.	26659174	Measurement: Sensors	28	
2023	Solvent effect on molecular, electronic parameters, topological analysis and Fukui function evaluation with biological studies of imidazo [1, 2-a] pyridine-8-carboxylic acid	Selvakumari S., Murthy Potla K., Shanthi D., Irfan A., Muthu S.	1677322	Journal of Molecular Liquids	382	
2023	Using Deep Learning-Based Features and Image Augmentation to Predict Brix Values of Strawberries for Quality Control	Junaina A.T.K., Kumudham R., Abishek E.B., Shakir M.	23490918	International Journal of Engineering Trends and Technology	71	7
2023	Optimized deep knowledge-based no-reference image quality index for denoised MRI images	Kavitha K.V.N., Shanmugam A., Imoize A.L.	24682276	Scientific African	20	
2023	Enhanced Elman spike Neural network optimized with flamingo search optimization algorithm espoused lung cancer classification from CT images	Prakash T.S., Siva Kumar A., Durai C.R.B., Ashok S.	17468094	Biomedical Signal Processing and Control	84	
2023	Segmentation of brain tumor subregions with depthwise separable dense U-NET (DSDU-NET)	Nehru V., Prabhu V.	8999457	International Journal of Imaging Systems and Technology	33	4
2023	Processing of Powder Metallurgy Metal Matrix Composite and Performance Analysis During Machining	Selvamani M., Balu G., Ellapan B., Raja D.	0094243X	AIP Conference Proceedings	2766	
2023	Characterization of fused deposition modeling components fabricated at different print orientations	Sekaran J.J.G., Pragadish N., Valsakumari M.K., Ravikumar S.	26318695	Engineering Research Express	5	2
2023	Factors influencing the gas porosity formation in A438 alloy wheels produced by gravity die casting	Abuthakeer S.S., Pandian A.A.S., Natarajan M.P., Patil P.P., Kaliappan S., Balaji V.	0094243X	AIP Conference Proceedings	2747	
2023	Mechanically constrained single-loop 6-bar chain from double 6R chain	Mehershilpa G., Muralidharan K., Kaliappan S., Patil P.P., Sathish T., Meganathan D.	0094243X	AIP Conference Proceedings	2747	
2023	A study on multi-walled carbon nanotube reinforced Al7075 nano composites by P/M route	Kaliappan S., Abuthakeer S.S., Gaur P., Patil P.P., Bhavani G., Logesh M.	0094243X	AIP Conference Proceedings	2747	

2023	Carburization effect on mechanical properties of EN-12 steel in different quenching medium at different quenching time intervals	Natarajan M.P., Rameshkumar K., Vijayakumar D., Patil P.P., Kaliappan S., Thirumalai T.	0094243X	AIP Conference Proceedings	2747	
2023	Sales demand forecasting for retail marketing using XGBoost algorithm	Kavitha M., Srinivasan R., Kavitha R., Suganthy M.		Intelligent and Soft Computing Systems for Green Energy		
2023	Hermitan matrices based malicious cognitive radio detection and bayesian method for detecting primary user emulation attack	Jeyakumar D.J., Shanmathi B., Smitha P.B., Vinurajkumar S., Murali M., Mariselvam M.	25024752	Indonesian Journal of Electrical Engineering and Computer Science	30	2
2023	Reconfiguration of Photovoltaic Arrays under Partial Shading Conditions Using LSG Method for Maximum Power Extraction	Karthikeyan M., Manimegalai D.	19750102	Journal of Electrical Engineering and Technology	18	3
2023	Design of recustomize finite impulse response filter using truncation based scalable rounding approximate multiplier and error reduced carry prediction approximate adder for image processing application	Senthilkumar S., Samuthira Pandi V., Sripriya T., Pragadish N.	15320626	Concurrency and Computation: Practice and Experience	35	8
2023	Effect of C2-C5 Alcohol Blends with Diesel and Camphor Oil as Additive on the Performance and Emissions in Diesel Engine	Selvam M., Harish K.A., Yuvaraj D., Joseph D.	9753060	International Journal of Vehicle Structures and Systems	15	1
2023	Thickness, Structure, Composition and Optical Properties of Electrochemically Grown Iron Selenide and Iron Diselenide Thin Films	Thanikaikarasan S., Perumal R., Thanikaivelan E., Ahamad T., Alshehri S.M.	14802422	Journal of New Materials for Electrochemical Systems	26	2
2023	Catalytic, Theoretical, and Biological Investigations of Ternary Metal (II) Complexes Derived from L-Valine-Based Schiff Bases and Heterocyclic Bases	Sasikumar G., Subramani A., Tamilarasan R., Rajesh P., Sasikumar P., Albukhaty S., Mohammed M.K.A., Karthikeyan S., Al-aqbi Z.T., Al-Doghachi F.A.J., Taufiq-Yap Y.H.	14203049	Molecules	28	7
2023	Jellyfish Search Algorithm for MPPT in Photovoltaic Systems Under Partial Shading Conditions	Karthikeyan M., Manimegalai D.	2194775	Fluctuation and Noise Letters	22	2

2023	Synthesis theoretical and experimental spectroscopic characterization of isoniazid-benzoic acid drug complexes: Insilico and invitro biological evaluations	Kavitha R., Sivagami S., Sheshadhri J.	194522	Journal of the Indian Chemical Society	100	3
2023	INVESTIGATION ON THE EFFECT OF NANOCATALYST (CEO <sub>2</sub> +ZRO <sub>2</sub> ) BLENDED BIODIESEL IN CRDI-VCR ENGINE FOR REDUCING EMISSIONS AND FUEL CONSUMPTION	Selvam M., Palani S.K., Harish K.A.K., Pragadish N.	15829596	Environmental Engineering and Management Journal	22	2
2023	Shading and texture constrained retinex for correcting vignetting on dermatological macro images	Sathish S., Sumithra M.G., Mohanasundaram K.	1782789	Visual Computer	39	2
2023	Rating Prediction and Email Query Processing	Raju S., Anand M.V., Bharathiraja N., Gunasekaran K.	0094243X	AIP Conference Proceedings	2523	
2023	Elegant Detection Of Human Voice	Sarala B., Sowmy I., Suganthi M., Hemalatha R.	0094243X	AIP Conference Proceedings	2523	
2023	A Review Based On Classifying Regular And Improper Gastrointestinal Waves Using CNN	Manisha A., Aravind A., Prithvi Raj D., Vinoth S., Darshan Kumar N., Mohamed Saburan A.		2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2023		
2023	Efficient Data Encryption and Signature Generation Scheme for Resource-Constrained IoT Environments	Alagdeve V.D., Singh R., Vasukidevi G., Parihar B., Dhananjeyan S., Ashreetha B.		7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 - Proceedings		
2023	Innovative Preparation of Cellulose-Mediated Silver Nanoparticles for Multipurpose Applications: Experiment and Molecular Docking Studies	Visagamani A.M., Shanthi D., Muthukrishnaraj A., Venkatadri B., Ahamed J.I., Kaviyarasu K.	24701343	ACS Omega	8	42
2023	Synthesis and characterisation of wild sugarcane-based activated carbon for CO <sub>2</sub> capture	Vijayaraj C., Shanthi D., Arularasu M.V., Muthukrishnaraj A.	21906815	Biomass Conversion and Biorefinery		
2023	Hash message authentication codes for securing data in wireless body area networks	Nagasundharamoorthi I., Venkatesan P., Velusamy P.	15320626	Concurrency and Computation: Practice and Experience		

2023	Ultrasound mediated nano ZnO catalyzed synthesis of new $\alpha$ -aminophosphonates as potential anti-diabetic agents; an in silico ADMET, molecular docking study, $\alpha$ -amylase and $\alpha$ -glucosidase inhibitory activity	Subramanyam C.H., Kiran Kumar K., Venkata Ramana K., Gladis Raja Malar C., Mohan S., Nagalakshmi V.	397911	Synthetic Communications	53	23
2023	A Machine Learning-based Agricultural Yield Forecasting System for Predicting Crop/Plant Yield before Planting the Crops/Plants	Arumuga Arun R., Saraswathi T., Meeha D., Sugeerthi G.		12th IEEE International Conference on Advanced Computing, ICoAC 2023		
2023	Application of Intuitionistic Fuzzy Network Using Efficient Domination	Meenakshi A., Senbagamalar J., Kannan A.		Fuzzy Logic Applications in Computer Science and Mathematics		
2023	CNN Assisted SRF Theory with Firefly Optimized Single Phase UPQC System for PQ Improvement	Katta P., Suguna R., Joseph D., Anitha P., Subiksha V., Meena E.		Proceedings of the International Conference on Circuit Power and Computing Technologies, ICCPCT 2023		
2023	High Gain SEPIC-Zeta Converter for Energy Management of Wind-PMSG Based Water Pumping System	Katta P., Mohammed Ovaiz A., Joseph D., Surendranadh M.S., Gowtham R., Vinothkumar M.		Proceedings of the International Conference on Circuit Power and Computing Technologies, ICCPCT 2023		
2023	Performance Investigation of Renewable Energy Sources Fed 31-Level MLI for Drive Applications	Joseph D., Mohammed Ovaiz A., Katta P., Santhosh Kumar H., Kubera Rajan V.G., Gokul Raaj A.		Proceedings of the International Conference on Circuit Power and Computing Technologies, ICCPCT 2023		
2023	FO-PID Controller for Stability Operation in MMC Based Offshore HVDC Wind Energy System	Mohammed Ovaiz A., Katta P., Joseph D., Gunasri T., Umamageshwari A., Kowsalya G.		Proceedings of the International Conference on Circuit Power and Computing Technologies, ICCPCT 2023		
2023	Dynamic low power management technique for decision directed inter-layer communication in three dimensional wireless network on chip	Dinesh Kumar T.R., Karthikeyan A.	51144	Automatika	64	4
2023	DiabPrednet: development of attention-based long short-term memory-based diabetes prediction model with optimal weighted feature fusion mechanism	Nagendiran S., Rohini S., Jagadeesan P., Shankari S., Harini R.	21681163	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization		

2023	IoT based Forest Fire Detection and Protection System	Kavitha M., Srinivasan R., Suganthy M., Mounika B.		Proceedings of the 2023 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023		
2023	Real-Time Fall Detection using ESP32 and AMG8833 Thermal Sensor: A Non-Wearable Approach for Enhanced Safety	Bharathiraja N., Indhuja R.B., Krishnan P.R.A., Anandhan S., Hariprasad S.		Proceedings of the 2023 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023		
2023	Cloud Based Remote File Access from PC to Mobile Using File Directory	Kanimozhi J., Bharathi S.S., Kathirolu P., Sharmila P., Ayshwariya S.A.	18684238	IFIP Advances in Information and Communication Technology	673	
2023	Hall and Magnetic Impacts on Stream Past a Parabolic Accelerated Vertical Plate with Varying Heat and Uniform Mass Diffusion in the Appearance of Thermal Radiation	Aruna M., Selvaraj A., Rekha V.	21954356	Lecture Notes in Mechanical Engineering		
2023	An efficient data aggregation with optimal recharging in wireless rechargeable sensor networks	Pavithra S., Anu P.M.	17550386	International Journal of Advanced Intelligence Paradigms	26	1
2023	IoT based on Smart Traffic Lights and Streetlight System	Shobana S., Shakunthala M., Josphine C.V., Kingslin M.T., Sivarajan S., Chairma Lakshmi K.R.		Proceedings of the 2nd International Conference on Edge Computing and Applications, ICECAA 2023		
2023	Brain Cancer Object Segmentation Using LPSIT Method and Back Propagation Network	Nisha B., Jose M.V.	2185310X	International Journal of Intelligent Engineering and Systems	16	5
2023	Compressive Sensing of Natural Images with Hybrid Transform based Sensing Matrix	Elaveini M.A., Deepa T., Bharathiraja N.		2023 3rd International Conference on Intelligent Technologies, CONIT 2023		
2023	Optimization of reinforcement characteristics on eco-friendly polymer composite rebar building material developed using domestically discarded vegetable waste biochar and areca chopped fiber	Kumar R.N., Parthipan G.	21906815	Biomass Conversion and Biorefinery		



2023	Real-time Non-invasive Blood Glucose Monitoring using Advanced Machine Learning Techniques	Jenitha Mary L., Vijayashanthi V., Parameswari M., Venitha E., Mohanaprakash T.A., Dhanush Hariharan S.		2023 4th International Conference on Electronics and Sustainable Communication Systems, ICESC 2023 - Proceedings		
2023	Energy efficient optimal hop transmission using minimum power least cost algorithm in cooperative routing for wireless sensor network	James K.I.A., Manjula P., Priya G.G., Karthikeyan A.	51144	Automatika	64	4
2023	Power Quality Enhancement using Dynamic Voltage Restorer in Distributed Networks	Raja R., Nirmal L.J., Mani P.K., Kavitha M.		Proceedings of the 8th International Conference on Communication and Electronics Systems, ICCES 2023		
2023	Deep learning based computed tomography image classification of COVID-19 patients	Seethalakshmy A., Tamilvizhi T., Sowjanya K.N., Bala B.	9720502	Journal of Interdisciplinary Mathematics	26	3
2023	An IoT-based integrated health monitoring of bulk milk cooler	Ajitha P., Sundarapandi A.M.S., Soniya M., Tamilvizhi T.	9720529	Journal of Discrete Mathematical Sciences and Cryptography	26	3
2023	5G Network Slicing Algorithm Development using Bagging based-Gaussian Naive Bayes	Vijayalakshmi A., Ebenezer Abishek B., Abdulsamath G., Saravanan N., Mohamed Absar M., Arul Stephen C.		2023 2nd International Conference on Electrical, Electronics, Information and Communication Technologies, ICEEICT 2023		
2023	SOME ALGEBRAIC STRUCTURE OF SPHERICAL NEUTROSOPHIC MATRICES	Silambarasan I.	21461147	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	13	3
2023	Maturity Level Detection of Strawberries: A Deep Color Learning-Based Futuristic Approach	Ameetha Junaina T.K., Ebenezer Abishek B., Kumudham R., Mohammed S.	18761100	Lecture Notes in Electrical Engineering	995	
2023	A Relevant Image Recommendation Based on Social Images	Rajalakshmi A., Riya K.S., Thirumalai Selvan C.	21903018	Smart Innovation, Systems and Technologies	334	
2023	Robotic Accident Prevention and Alert System for Visually Impaired	Praveena B., Vimala Josphine C., Nithya Jenev J., Anitha G., Chairma Lakshmi K.R., Vaishnavi G.		2023 International Conference on Disruptive Technologies, ICDT 2023		
2023	Detection of Disease in Liver Image Using Deep Learning Technique	Agita T.K.R., Arun M., James K.I.A., Arthi S., Somasundari P., Moorthi M., Sureshkumar K.	23673370	Lecture Notes in Networks and Systems	681	

2023	Design and Implementation of Z-Shaped Polarized Micro strip Patch Antenna for Detecting Skin Cancer	Ruban Thomas D., Prabhu V., Kalyana Sundari V., Kotteshwari D., Sharanya K.S.		2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing, ICSTSN 2023		
2023	Design and Implementation of a Flexible Wearable Antenna for the Detection of Cancer in the Thyroid Gland	Mohamed Abbas A., Dinesh Kumar P.L., Raghulraj D., Suraj K.K.		2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing, ICSTSN 2023		
2023	IoT Based Early Flood Detection and Avoidance System	Prathaban B.P., R S.K., M J.	23673370	Lecture Notes in Networks and Systems	716	
2023	An Attention Mechanism for Forest Tree Segmentation based on Efficient Convolutional Neural Networks	Jeevitha K., Bindhu A., Rayen S.J., Vidhyalakshmi K., Rajalakshmi D., Agnes Shifani S.		Proceedings of 8th IEEE International Conference on Science, Technology, Engineering and Mathematics, ICONSTEM 2023		
2023	Steady state concentration in an amperometric biosensor using mathematical modeling	Govindan V., Xin X., Vignesh S., Sudha P.N., Sankeshwari S.N., Vairavel T.M., Prakash R., Chithra S.M., Bala A.J.	2179849	Modern Physics Letters B		
2023	Design and Implementation of IoT-based Programmable Assistive Intelligent Adaptive Pillbox	Bharathiraja N., Hariprasad S., Sakthivel M., Deepa T.		2023 International Conference on Computer Communication and Informatics, ICCCI 2023		
2023	Online Medical System Using ElGamal	Gupta S.K., Thenmalar S., Subha S.T.		2023 International Conference on Computer Communication and Informatics, ICCCI 2023		
2023	Fuzzy logic based nodes distributed clustering for energy efficient fault tolerance in IoT-enabled WSN	Sebastin Suresh S., Prabhu V., Parthasarathy V.	10641246	Journal of Intelligent and Fuzzy Systems	44	3
2023	Proactive flow control using adaptive beam forming for smart intra-layer data communication in wireless network on chip	Dinesh Kumar T.R., Karthikeyan A.	51144	Automatika	64	4
2023	VLSI Architectures for Security Analysis with Dual-Key LFSR Using Barrel Shifter and S-Box	Maria Dominic Savio M., Shri M.M., Naveenkumar G., Athiban N., Varanasi S., Bharathiraja N., Patnala V.N.		2023 International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence, RAEEUCCI 2023		

2023	Evaluation and Language Training of Multinational Enterprises Employees by Deep Learning in Cloud Manufacturing Resources	Karn A.L., Webber J.L., Mehbodniya A., Stalin David D., Subramaniam B., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Design of Concurrent Engineering Systems for Global Product Development Using Artificial Intelligence	Karn A.L., Mehbodniya A., Webber J.L., Jayagopal V., Stalin David D., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Deep Convolutional Neural Networks-Based Market Strategy for Early-Stage Product Development	James G.M.B., Mehbodniya A., Maria A.B., Webber J.L., Stalin David D., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Medical Images Analysis for Segmentation and Classification Using DNN	Mehbodniya A., Narayanasami S., Webber J.L., Kothalanka A., Sengan S., Rangasamy R., Stalin David D.	23673370	Lecture Notes in Networks and Systems	565	
2023	Glioma Segmentation in MR Images Using 2D Double U-Net: An Empirical Investigation	Webber J.L., Nancy Noella R.S., Mehbodniya A., Ramachandran V., Stalin David D., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Classification of Cervical Cells Using Deep Learning Feature Extraction	Mehbodniya A., Webber J.L., Mani D., Stalin David D., Kandasamy A., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Equipment Planning for an Automated Production Line Using a Cloud System	Bhavana Raj K., Webber J.L., Marimuthu D., Mehbodniya A., Stalin David D., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Certain Investigations of MEMS for Optimised Sensor Coverage	Mehbodniya A., Rajamanickam M., Webber J.L., Stalin David D., Mani D., Rangasamy R., Sengan S.	23673370	Lecture Notes in Networks and Systems	565	
2023	Hybrid Power Generation Forecasting Using an Intellectual Evolutionary Energy-Preserve Rate Clustering Technique	Webber J.L., Jayagopal V., Mehbodniya A., Sengan S., Velayutham P., Rangasamy R., Stalin David D.	23673370	Lecture Notes in Networks and Systems	565	
2023	Key Observation to Prevent IP Spoofing in DDoS Attack on Cloud Environment	Sunitha T., Vijayashanthi V., Navaneethakrishan M., Mohanaprakash T.A., Ashwin S., Harish T.R., Stanes E.A.	23673370	Lecture Notes in Networks and Systems	627	
2023	Design and Implementation of Selection Algorithm based Human Emotion Recognition System	Bharathiraja N., Sakthivel M., Deepa T., Hariprasad S., Ragasudha N.		7th International Conference on Trends in Electronics and Informatics, ICOEI 2023 - Proceedings		
2023	Research on Artificial Intelligence based Fruit Disease Identification System (AI-FDIS) with the Internet of Things (IoT)	Kabilesh S.K., Mohanapriya D., Suseendhar P., Indra J., Gunasekar T., Senthilvel N.	10641246	Journal of Intelligent and Fuzzy Systems	44	4

2023	Image Processing Based Hot-Spot Detection on Photovoltaic Panels	Gayathri Monicka S., Manimegalai D., Karthikeyan M., Gunasekari R.	21476799	International Journal of Intelligent Systems and Applications in Engineering	11	5s
2023	An Empirical Evaluation of Machine Learning Algorithms for Groundwater Quality Classification	Domakonda V.K., Sasirekha K., Sangeetha S., Umasankar L., Nagendiran S., Kumar M.J.		Proceedings of 2023 3rd International Conference on Innovative Practices in Technology and Management, ICIPTM 2023		
2023	A Comprehensive Analysis on Co-Saliency Detection on Learning Approaches	Agrawal A.V., Kumari T.S., Soniya M., Meenakshi S., Jegadeesan R., Ahmad S.R.		Proceedings of 2023 3rd International Conference on Innovative Practices in Technology and Management, ICIPTM 2023		
2023	Smart Watch to Avoid Face Touching During Pandemic Condition	Vimala S., Raman R., Gowrishankkar V., Bharathiraja N., Thamarai I., Kumar A.		Proceedings of 2023 3rd International Conference on Innovative Practices in Technology and Management, ICIPTM 2023		
2023	Revisiting the Utility of Spectral Measures on Spoken Letter Recognition	Asokan J., Dheeraj G.S.S.N., Naidu R.V.S.S.M., Reddy R.S., Sasi G., Elamaran V.		2023 9th International Conference on Advanced Computing and Communication Systems, ICACCS 2023		
2023	Detection of Lung Tumor using an efficient Quadratic Discriminant Analysis Model	Gupta S.K., Kumar V.S., Khang A., Hazela B., Nivethitha T., Haralayya B.		ICRTEC 2023 - Proceedings: IEEE International Conference on Recent Trends in Electronics and Communication: Upcoming Technologies for Smart Systems		
2023	Forecasting the Energy Utilization in WSN by Support Vector Regression Model	Nasreen A.K., Senthamilarasi N., Suganthy M., Padmanaban K.		International Conference on Innovative Data Communication Technologies and Application, ICIDCA 2023 - Proceedings		
2023	Dual Power Supply with Real Time GPS Tracking for Vehicular Application Using Machine Learning Algorithm	Kshirsgar P.R., Manoharan H., Ebenezer Abishek B., Bharadwaja A.V., Kavita K., Vijayakumar P.		Proceedings of the International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics, ICIITCEE 2023		

2023	An Efficient Beam Splitter Scheme for Optimization Based on Modified Optical Wireless Power Transmission Mechanism	Ramkumar V., Parimala A., Vanathi N., Karpagam S., Chandran K.P., Prabu R.T.		Proceedings of the International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics, ICIITCEE 2023		
2023	Covid-19 Forecasting Using CNN Approach With A Halbinomial Distribution And A Linear Decreasing Inertia Weight-Based Cat Swarm Optimization	Murugesan R.K., Madhu K., Sambandam J., Malliga L.	18419836	International Journal of Computers, Communications and Control	18	1
2023	Design of Bluetooth-based Solar Panel Cleaner Robot	Priya R., Radha K.S., Karthikeyan M.		Proceedings - 7th International Conference on Computing Methodologies and Communication, ICCMC 2023		
2023	Vector Control of an Induction Motor for Speed Regulation	Satyanarayana G., Karthikeyan M., Mahalakshmi R., Vandarkuzhali T.		Proceedings - 7th International Conference on Computing Methodologies and Communication, ICCMC 2023		
2023	Performance study of a solar still desalination system coupled with solar air heater	Ellappan B., Madhavan V.R., Attia M.E.H.	19443994	Desalination and Water Treatment	283	
2023	Impact of Shadow or Dust on Solar Photovoltaic Power Generation System	Lakshmi K.R.C., Anandh R.V., Rajalakshmi K., Simon S., Stepha G., Gnanasekaran T.		Proceedings of the 2023 2nd International Conference on Electronics and Renewable Systems, ICEARS 2023		
2023	Detecting Human Behavior from a Silhouette Using Convolutional Neural Networks	Rao N.S., Shanmugapriya G., Vinod S., Raju S., Mallick S.P., Gracewell J.J.		Proceedings of the 2023 2nd International Conference on Electronics and Renewable Systems, ICEARS 2023		
2023	Extracting Behavioral Characteristics of College Students Using Data Mining on Big Data	Meena R., Kavitha T., Kumar S.A., Mathew D.M., Anusuya R., Karthik G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		

2023	In silico molecular docking study and nano TiO <sub>2</sub> -SiO <sub>2</sub> catalyzed microwave facilitated synthesis of new bis( $\alpha$ -aminophosphonates) as potential anti-diabetic agents	Pavan Phani Kumar M., Vejendla A., Gladis Raja Malar C., Chennamsetty S., Talari S., Vedula N.	10426507	Phosphorus, Sulfur and Silicon and the Related Elements	198	10
2023	Enhancement of Recommendation Systems through Collaborative filtering to assure Customer Requirement	Silviya S.H.A., Vinod S., Pathmanaban J., Sriman B., Narayanan K.S., Kumar E.S.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A Robust and Efficient Computational Offloading and Task Scheduling Model in Mobile Cloud Computing	Chandra I., Karthikeyan K.V., Revathi V., Shankar K., Tamilselvi M., Arunkumar J.R.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	Medium Access Control Scheduling Policy Performance Evaluation in Wireless Networks	Banupriya N., Jyothi P., Malathy K., Sureshkumar R., Dhanush D., Sajiv G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	An Investigation of Smart Detection for Small Lung Tumor with Tumor Pattern Recognition Algorithm	Hariharan G., Prasanth P., Devarani P.A., Sajana T., Indhumathi C., Kumar A.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	An Enhanced Optimal Design of a Phase Changing Material Based Photo Voltaic System using Deep Learning	Lakshmi G.S.P., Mani P.K., Sangeetha S., Krishnan T.S., Udhayakumar T., Anusuya M.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	Innovative Machine Learning method for the creation of Power-Maximizing Solar Trackers	Mariappan Y., Mani P.K., Sivasankar G.A., Srinivasan K., Inaniya P.K., Vishwakarma S.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		

2023	An Energy-Efficient Cluster Routing Protocol for Wireless Networks Based on Blended Optimization Technique	Dharmeshwaraan K., Saravanan L., Sharmila P., Krishnan R., Shyam M., Anitha G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A Novel and Robust Sensing Technique under Cooperative Schemes of IOT Based Industrial WSN in Real Time	Reddy S.P.V.V., Jaison B., Resmi N.C., Ashok S., Sahana S., Prabu R.T.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A Novel Enhanced EfficientNet Model for Identification of Floating Debris on Marine Surface	Joseph S., Suresh G., Jyothi P., Ashok S., Venkatesan D., Shifani S.A.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	An Effective Sensor Filtering Model for Mobile Devices Based on Long Short-Term Memory Technique in Sensor Archives	Gilda A.J., Suresh G., Sivamrugaan S., Kumar R.S., Sushmitha K., Prabu R.T.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A Robust Network Connection Across Internet of Things Devices Inside the Room with Visible Light Communication	Banupriyal N., Suresh G., Nandhini R., Mathew A.M., Saravanan L., Anitha G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	Efficient Search Strategies in Selecting the Best Cluster Heads with Gray Wolf Optimization Based Clustering Technique in WSN	Ramkumar V., Jyothi P., Karthikeyan K.V., Senthilkumar V., Reddy E.S., Prabu R.T.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A Robust and Novel Hybrid Deep Learning based Lung Nodule Identification on CT Scan Images	Sivakumar A., Sheeba S.L., Suganthy M., Gunasundari B., Sivamurugaan S., Sajiv G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		

2023	Internet of Things Based Smart Home Security Analysis System	Srujana P., Krishna K.R., Madhavi S., Sharma C., Satheesh N., Poshamalla G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	A One-Dimensional Convolutional Neural Network and Long Short-Term Memory Model for Limb Movement Detection	Blessy, Neela K., Rajalakshmi A., Joseph A., Muralidharan C., Anitha G.		Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023		
2023	Yolo for Detecting Plant Diseases	Chairma Lakshmi K.R., Praveena B., Sahaana G., Nithya Jenev J., Gnanasekaran T., Hashim M.		Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023		
2023	Intelligent Control system for BLDC Motor Driven Solar Water Pumping System using Wode Algorithm	Saravanan A., Rekha M., Subha S.T., Arulanantham D., Baskaran S., Gomathi S.		Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023		
2023	Photovoltaic System based Interleaved Converter for Grid System	Kavitha M., Jones Nirmal L., Jenin Prabhu R., Srinivasan P.		Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023		
2023	Efficient Soil Condition Monitoring with IoT Enabled Intelligent Farming Solution	Sudharson K., Alekhya B., Abinaya G., Rohini C., Arthi S., Dhinakaran D.		2023 IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2023		
2023	Prediction of Covid-19 symptoms with chest x-ray to optimize the solution through the MCOA Algorithm for feature extraction and measurement	Natrajan P., Sekar A.P., Murugan K., Sabarinathan C., Chandra I., Prabhu V.	1011601X	Pakistan Journal of Pharmaceutical Sciences	36	1
2023	FSO based MPPT Algorithm for Maximizing Power Output in PV System under Partial Shading Conditions	Gayathrimonicka S., Manimegalai D., Karthikeyan M.		Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023		
2023	Evaluating the Solutions to Predict the Impact of Lung Cancer with an Advanced Intelligent Computing Method	Sundar R., Ramadass S., Meeha D., Subramanian B., Shankar S.S., Parasa G.		Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023		



2023	Artificial intelligence for the identification of healthy fruits and vegetables using MMDL-ABO	Subhashini P., De Britto C J., Babu K.U., Sumathy G.	0952813X	Journal of Experimental and Theoretical Artificial Intelligence		
2023	An experimental investigation on ceramic coating with retarded injection timing on diesel engine using Karanja oil methyl ester	Balu P., Vasanthkumar P., Govindan P., Sathish T.	1430750	International Journal of Ambient Energy	44	1
2023	IoT Based Smart Framework Monitoring System for Power Station	Karn A.L., Manickam P.S., Saravanan R., Alroobaea R., Almotiri J., Sengan S.	15462218	Computers, Materials and Continua	74	3
2023	Implementation of VLSI on Signal Processing-Based Digital Architecture Using AES Algorithm	Marimuthu M., Rajendran S., Radhakrishnan R., Rengarajan K., Khurram S., Ahmad S., Sayed A.E., Shafiq M.	15462218	Computers, Materials and Continua	74	3
2023	Enhancing the Output Power of the Partially Shaded PV Array Using the Corona Virus Optimization Algorithm	Karthikeyan M., Manimegalai D.	3772063	IETE Journal of Research	69	4
2023	Redesign of Assembly Line for Productivity Enhance in an Automotive Industry Using Line Balancing Technique	Karthik S., Palani S., Srinivasan G.	21954356	Lecture Notes in Mechanical Engineering		
2023	Brain Tumor: Hybrid Feature Extraction Based on UNet and 3DCNN	Rajagopal S., Thanarajan T., Alotaibi Y., Alghamdi S.	2676192	Computer Systems Science and Engineering	45	2
2023	Internet of Things Enabled Energy Aware Metaheuristic Clustering for Real Time Disaster Management	Santhanaraj R.K., Rajendran S., Romero C.A.T., Murugaraj S.S.	2676192	Computer Systems Science and Engineering	45	2
2023	Optimization of parameters for hardness of brass – AlN composite	Jasper S., Vijayakumar D., Sankarlal R.L., Stalin B., Rajesh S.	22147853	Materials Today: Proceedings	74	
2023	Design and Analysis of the Radiation Characteristics of a Microstrip Antenna Array Resonating at 28 GHz for Satellite Applications	Mounika P., Jaya T., Ebenezer Abishek B.	23673370	Lecture Notes in Networks and Systems	517	
2023	Surface modification on AZ31B Mg alloy for improved corrosion resistance and hardness by thermal spray aluminium coating	Alagu sundara pandian, Ganapathy Srinivasan R., Palani S., Selvam M.	22147853	Materials Today: Proceedings	72	
2023	Performance Analysis of Electro-pneumatic Hybrid Vehicle with ANSYS	Palani S., Lokesh R., Hariharan S., Vivek Ramachandran R., Bharathraj M., Manikandan K., Paul Linga Prakash R., Selvam M.	21954356	Lecture Notes in Mechanical Engineering		
2023	Electric Discharge Drilling of Ti-6Al-4 V with O2 as Dielectric Medium	Pragadish N., Natarajan E., Selvam M., Singh A., Saravanakumar N.	21954356	Lecture Notes in Mechanical Engineering		

2023	Effect of the Hardness in Al/TiB2 MMC with Sand Mould and Permanent Mould	Rajaravi C., Gobalakrishnan B., Srinivasan G., Palani S., Karthik	21954356	Lecture Notes in Mechanical Engineering		
2023	Experimental Investigation on EN 19 Substrate Weld Cladded with Austenitic Stainless Steel for Improvement of Material Properties	Paullinga Prakash R., Palani S., Babu S., Selvam M.	21954356	Lecture Notes in Mechanical Engineering		
2023	MATLAB Simulation of 500 W Direct Methanol Fuel Cell Stack	Babu S., Prem Kumar T., Divya V.V., Paulinga Prakash R., Jeriel D.	21954356	Lecture Notes in Mechanical Engineering		
2023	Analysis of Impact Strength on Polymer Matrix Composites Using Projectile Parameters for Combat Vehicle Application	Palani S., Karthik S., Rajaravi C., Ganapathy Srinivasan R.	21954356	Lecture Notes in Mechanical Engineering		
2023	Experimental Characterization of CNSL-Epoxy Resin Reinforce Natural Fiber	Srinivasan R.G., Rajaravi C., Palani S., Karthik S.	21954356	Lecture Notes in Mechanical Engineering		
2023	Influence of TIG welding processing parameters on mechanical properties of austenitic stainless steel using Taguchi analysis	Rajaravi C., Ganesh B., Lakshmanan S., Gobalakrishnan B.	22147853	Materials Today: Proceedings	72	
2023	Experimental investigation on end milling of GFRP by using Taguchi optimization	Jasper S., Ravichandran M., Vijayakumar D.	22147853	Materials Today: Proceedings	72	
2023	Evaluation of tribological properties of thermally sprayed tungsten carbide coating on AISI1045	Muthukumar S., Ganesh B., Dilip Raja N., Selvam M.	22147853	Materials Today: Proceedings	72	
2023	Hum Noise and Breathing Interference Removal from an ECG Signal with Finite Word Length Effects	Ajith Bala B., Jeyakumari D., Sundar Prakash Balaji M., Sasi G., Elamaram V.	18761100	Lecture Notes in Electrical Engineering	902	
2023	Design of Fuzzy Logic Control Framework for QoS Routing in MANET	Vargheese M., Vanithamani S., David D.S., Rao G.R.K.	10798587	Intelligent Automation and Soft Computing	35	3
2023	Triplet Label Based Image Retrieval Using Deep Learning in Large Database	Nithya K., Rajamani V.	2676192	Computer Systems Science and Engineering	44	3
2023	Design of Online Vitals Monitor by Integrating Big Data and IoT	Afreen Banu E., Rajamani V.	2676192	Computer Systems Science and Engineering	44	3
2023	Encryption with User Authentication Model for Internet of Medical Things Environment	Riya K.S., Surendran R., Romero C.A.T., Sendil M.S.	10798587	Intelligent Automation and Soft Computing	35	1
2023	DLMNN Based Heart Disease Prediction with PD-SS Optimization Algorithm	Raghavendra S., Parvati V., Manjula R., Nanda A.K., Singh R., Lakshmi D., Velmurugan S.	10798587	Intelligent Automation and Soft Computing	35	2

2023	Haemoglobin Measurement from Eye Anterior Ciliary Arteries through Borescope Camera	Farook M.A.A., Rukmanidevi S., Shanker N.R.	2676192	Computer Systems Science and Engineering	44	2
2023	A Substrate Integrated Waveguide Based Filtenna for X and Ku Band Application	Leo Pauline S., Ganeshbabu T.R.	10798587	Intelligent Automation and Soft Computing	35	1
2023	High linear low voltage CMOS power amplifier for 2.4 GHz applications	Manjula S., Anandan P., Suganthy M.	21681724	International Journal of Electronics Letters	11	3
2022	Study on Mechanical Properties of Silicon Carbide Particle Reinforced AA6061 Composite Produced by Stir Casting	Dilip Raja N., Venkatasudhahar M., Muthukumar S.	9753060	International Journal of Vehicle Structures and Systems	14	6
2022	Inspection of Friction Stir Weld Joint on Metal Matrix Composite	Dilip Raja N., Naren Shankar R., Muthukumar S.	9753060	International Journal of Vehicle Structures and Systems	14	6
2022	Fabrication and characterization of nanoparticle biomaterial scaffold for treating burn wounds	Ramkumar S., Nivetha A.S., Saravanan S., Harchana R., Sathyasri B., Sammeta N.	8842914	Journal of Materials Research	37	23
2022	A Review on Investigation of PV Solar Panel Surface Defects and MPPT Techniques	Subarnan G.M., Damodaran M., Madhu K.	23520965	Recent Advances in Electrical and Electronic Engineering	15	8
2022	Functionalization and Haemolytic analysis of pure superparamagnetic magnetite nanoparticle for hyperthermia application	Kothandaraman H., Kaliyamoorthy A., Rajaram A., Kalaiselvan C.R., Sahu N.K., Govindasamy P., Rajaram M.	920606	Journal of Biological Physics	48	4
2022	Detection of microcracks in silicon solar cells using Otsu-Canny edge detection algorithm	Gayathri Monicka S., Manimegalai D., Karthikeyan M.	17550084	Renewable Energy Focus	43	
2022	A facile synthesis of polyaniline-WO <sub>3</sub> hybrid nanocomposite for enhanced dopamine detection	Vanitha C., Sanmugam A., Yogananth A., Rajasekar M., Kuppusamy P.G., Devasagayam G.	0167577X	Materials Letters	328	
2022	A Note On Graceful Trees	Annamalai M., Adhimoolam K.	0094243X	AIP Conference Proceedings	2516	
2022	Co-operative beam forming selection with energy balanced operation for wireless sensor network	James K.I.A., Prabakaran R., Karthikeyan A., Prianka R.R.	10220038	Wireless Networks	28	8
2022	Effect of dopant concentration Mn in SnO <sub>2</sub> nanoparticles on photocatalytic, magnetic and optical properties	Renuga R., Srinivasan S., Thangeeswari T., Suresh S., Priyadharshini E., Bomila R.	18423582	Digest Journal of Nanomaterials and Biostructures	17	4
2022	Development of chitosan base PbBiS <sub>2</sub> thin films for photovoltaic application	Shanthi D., Yogananth A., Anandhavelu S., Balasubramanian V., Suresh J., Babu S.A., Sarveswaran S.	15848663	Chalcogenide Letters	19	10

2022	Classification of EEG Using Adaptive SVM Classifier with CSP and Online Recursive Independent Component Analysis	Antony M.J., Sankaralingam B.P., Mahendran R.K., Gardezi A.A., Shafiq M., Choi J.-G., Hamam H.	14248220	Sensors	22	19
2022	Maximum likelihood based estimation with quasi oppositional chemical reaction optimization algorithm for speech signal enhancement	Kaur I., Nassa V.K., Kavitha T., Mohan P., Velmurugan S.	25112104	International Journal of Information Technology (Singapore)	14	6
2022	Weber Global Statistics Tri-Directional Pattern (WGSTriDP): A Texture Feature Descriptor for Image Retrieval	Chelladurai C.C., Vayanaperumal R.	1392124X	Information Technology and Control	51	3
2022	Experimental spectroscopic investigations, solute-solvent interactions, topological analysis and biological evaluations of N-(9-Fluorenylmethoxycarbonylox y)succinimide: An effective agent in anti-breast cancer activity	Thirunavukkarasu M., Balaji G., Shanthi D., Prabakaran P., Irfan A., Muthu S.	1677322	Journal of Molecular Liquids	362	
2022	Cytotoxic effect of functionalized superparamagnetic samarium doped iron oxide nanoparticles for hyperthermia application	Hemalatha K., Alamelumangai K., Arulmozhi R., Chandunika R.K., Sahu N.K., Parthipan G., Rajaram M.	2728842	Ceramics International	48	17
2022	Effect of Silane Treated Wheat Husk Biosilica (WHB) Deionized Water Dielectric on EDM Drilling of Ti-6Al-4 V Alloy	Suresh K., Karuppasamy K., Palani S., Krishnan S.S.J., Maridurai T.	1876990X	Silicon	14	14
2022	Experimental analysis and investigation of the performance of 3Al <sub>2</sub> O <sub>3</sub> ·2SiO <sub>2</sub> ·La <sub>2</sub> O <sub>3</sub> ceramic-coated piston	Rajeshwaran M., Shreeram B., Thangeeswari T., Elil Raja D.	12299162	Journal of Ceramic Processing Research	23	4
2022	Movie Recommender Systems: Concepts, Methods, Challenges, and Future Directions	Jayalakshmi S., Ganesh N., Cep R., Murugan J.S.	14248220	Sensors	22	13
2022	An efficient epileptic seizure detection based on tunable Q-wavelet transform and DCVAE-stacked Bi-LSTM model using electroencephalogram	Sivasaravanababu S., Prabhu V., Parthasarathy V., Mahendran R.K.	19516355	European Physical Journal: Special Topics	231	11-12

2022	Surface roughness and microstructure analysis on drilling of titanium diboride in situ aluminium metal matrix composite	Rajaravi C., Elaiyarasan U., Gobalakrishnan B., Ganapathy Srinivasan R.	2051672X	Surface Topography: Metrology and Properties	10	2
2022	Corrosion behavior and analysis on friction stir welded aluminium matrix composites	Selvamani S.T., Bakkiyaraj M., Palani S., Yoganandan G.	2051672X	Surface Topography: Metrology and Properties	10	2
2022	Understanding of controllable optical memory using 1D InP based photonic structures at three communication windows	Khanna M.R., Karthikeyan A., Kuppusamy P.G., Prianka R.R.	3068919	Optical and Quantum Electronics	54	6
2022	Donor acceptor groups effect, polar protic solvents influence on electronic properties and reactivity of 2-Chloropyridine-4-carboxylic acid	Selvakumari S., Venkataraju C., Muthu S., Irfan A., Shanthi D.	194522	Journal of the Indian Chemical Society	99	6
2022	Comparative Analysis over Tribology Characterization of TiAlN and TiAlSiN PVD Coating on Plasma Nitride Alloy 20	Srinivasan R.G., Palani S., Rajaravi C., Karthik S.	15741443	Journal of Inorganic and Organometallic Polymers and Materials	32	6
2022	Feature Extraction and Object Detection Using Fast-Convolutional Neural Network for Remote Sensing Satellite Image	Devi N.B., Kavida A.C., Murugan R.	0255660X	Journal of the Indian Society of Remote Sensing	50	6
2022	A study on image processing with data analysis	Prakash D.C., Narayanan R.C., Ganesh N., Ramachandran M., Chinnasami S., Rajeshwari R.	0094243X	AIP Conference Proceedings	2393	
2022	Half-Duplex and Full-Duplex Performance Comparison for Different Fading Channel Using HMR Protocol in MIMO Technology	Joann D., Rajamani V.	16833198	International Arab Journal of Information Technology	19	3
2022	Quasi oppositional Aquila optimizer-based task scheduling approach in an IoT enabled cloud environment	Kandan M., Krishnamurthy A., Selvi S.A.M., Sikkandar M.Y., Aboamer M.A., Tamilvizhi T.	9208542	Journal of Supercomputing	78	7
2022	Type II fuzzy-based clustering with improved ant colony optimization-based routing (t2fcatr) protocol for secured data transmission in manet	Nagendranth M.V.S.S., Khanna M.R., Krishnaraj N., Sikkandar M.Y., Aboamer M.A., Surendran R.	9208542	Journal of Supercomputing	78	7
2022	Extracting the cervical cancer cell region through super pixel segmentation	Prianka R.R., Celine Kavida A.	18685137	Journal of Ambient Intelligence and Humanized Computing	13	5

2022	Synthesis of ZnO nanoparticles and its characterization techniques using XRD and FTIR	Mahalakshmi A., Ramkumar S., Vinurajkumar S., Sasi G.	0094243X	AIP Conference Proceedings	2405	
2022	Development of eye gaze tracking system for strabismus diagnosis	Deepika S., Nivetha A.S., Harchana R., Devi M.S.S.	0094243X	AIP Conference Proceedings	2405	
2022	Nano TiO <sub>2</sub> .SiO <sub>2</sub> catalyzed, microwave assisted synthesis of new $\alpha$ -aminophosphonates as potential anti-diabetic agents: In silico ADMET and molecular docking study	Basha M.H., Subramanyam C., Malar C.G.R., Rao S.S., Rao K.P.	13076175	Organic Communications	15	2
2022	An analysis on micronutrient deficiency in plant leaf and soil using digital image processing	Anthay S.R., Chokkalingam A., Jeyashanker K.B., Natarajan B.	25024752	Indonesian Journal of Electrical Engineering and Computer Science	26	1
2022	Artifact Removal from EEG signals using Regenerative Multi-Dimensional Singular Value Decomposition and Independent Component Analysis	Mary Judith A., Baghavathi Priya S., Mahendran R.K.	17468094	Biomedical Signal Processing and Control	74	
2022	Research and Application of Artificial Intelligence Based Integrated Teaching-Learning Modular Approach in Colleges and Universities	Jia L., Santhosh Kumar B., Parthasarathy R.	2192659	Journal of Interconnection Networks	22	
2022	Hybridized Particle Swarm—Gravitational Search Algorithm for Process Optimization	Shankar R., Ganesh N., Cep R., Narayanan R.C., Pal S., Kalita K.	22279717	Processes	10	3
2022	UPQC-based effective mitigation of harmonics by signal processing approach	Nagarajan A., Suganyadevi M.V.	15982092	Journal of Power Electronics	22	3
2022	Maximizing Capacity Usage and Selection of Optimal Antennas to Improve Spectrum Efficiency in Massive MIMO Technology	Daphney Joann J., Rajamani V.	9296212	Wireless Personal Communications	123	1
2022	A Novel Approach to Identify Dynamic Deficiency in Cell using Gaussian NB Classifier	Pushpakumar R., Prabu R., Priscilla M., Renisha P.S., Prabu R.T., Muthuraman U.		7th International Conference on Communication and Electronics Systems, ICCES 2022 - Proceedings		

2022	Synthesis of new nicotinic acid hydrazide metal complexes: Potential anti-cancer drug, supramolecular architecture, antibacterial studies and catalytic properties.	Ashma A., Yahya S., Subramani A., Tamilarasan R., Sasikumar G., Askar Ali S.J., Al-Lohedan H.A., Karnan M.	222860	Journal of Molecular Structure	1250	
2022	Engineering the active sites tuned MoS <sub>2</sub> nanoarray structures by transition metal doping for hydrogen evolution and supercapacitor applications	Vikraman D., Hussain S., Karuppasamy K., Kathalingam A., Jo E.-B., Sanmugam A., Jung J., Kim H.-S.	9258388	Journal of Alloys and Compounds	893	
2022	A study of Data Privacy in Internet of Things using Privacy Preserving Techniques with its Management	Krishnaraj N., Sangeetha S.	23490918	International Journal of Engineering Trends and Technology	70	2
2022	A Conceptual Comparison of Six Nature-Inspired Metaheuristic Algorithms in Process Optimization	Rajendran S., Ganesh N., Cep R., Narayanan R.C., Pal S., Kalita K.	22279717	Processes	10	2
2022	Experimental investigation of removal of flue gas emissions exhaust from municipal solid waste incinerator using photovoltaic-based electrostatic precipitator	Pannerselvam A., Kuppusamy M.S., Shanmugapriyan J., Kaliappan V.K., Sathyamurthy R.	9441344	Environmental Science and Pollution Research	29	8
2022	A Machine Learning Method for Detecting Sarcasm in Negative Sentiment Tweets using Hyperboles	Preetha V., Sathishkumar P., Janani M., Manohari B., Ida S.J., Suganyadevi S.		2022 IEEE North Karnataka Subsection Flagship International Conference, NKCon 2022		
2022	Development of 3D Concrete Printing Using Additive Manufacturing Processes for Construction and Building Industry	Shanmugan S., Sandhyarani T., Palani S.		Nanotechnology-Based Additive Manufacturing: Product Design, Properties, and Applications: Volumes 1-2		
2022	Machine Learning Algorithm for KY Converter based Battery Integrated Grid Tied PV System	Ovaiz M.A., Katta P., Senthil K.R., Sivakumaran P., Immanuel M.R., Ramanujam B.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Blurred Image Processing and IoT Action Recognition in Academy Training Sport	Saseekala M., Arun Raghesh J.T., Madhavidevi B., Sasidevi J., Ramalingam V., Das S.		Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022		

2022	Review and Analysis on Network on Chip	Rao G.V.V., Kavitha A., Arthy P.S.		2022 1st International Conference on Computer, Power and Communications, ICCPC 2022 - Proceedings		
2022	A Hybrid Cryptography Algorithm to Improve Cloud Computing Security	Dudiki N., Sangeetha S., Manna A., Pokhariyal R., Mohanaprakash T.A., Srivastava A.P.		Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022		
2022	Early Lung Cancer Prediction using Correlation and Regression	Sivanagireddy K., Yerram S., Kowsalya S.S.N., Sivasankari S.S., Surendiran J., Vidhya R.G.		2022 1st International Conference on Computer, Power and Communications, ICCPC 2022 - Proceedings		
2022	Design of Adaptive FIR filter for Biomedical Signal Processing Applications	Sahaana G.		2022 1st International Conference on Computer, Power and Communications, ICCPC 2022 - Proceedings		
2022	To Optimizing Energy Utility Using Cell-Leach Protocol in Wireless Sensor Network	Nandhini R.		2022 1st International Conference on Computer, Power and Communications, ICCPC 2022 - Proceedings		
2022	Medical Internet of Things using Deep Learning Techniques for Skin Cancer Detection	Veeraiiah V., Ravikaumar G.K., Kalpana R., Sreenivasulu K., Singh Y., Shukla S.K.		Proceedings of 5th International Conference on Contemporary Computing and Informatics, IC3I 2022		
2022	Drone Surveillance in Flood Affected Areas using Firefly Algorithm	Kumar V.S., Sakthivel M., Karras D.A., Kant Gupta S., Parambil Gangadharan S.M., Haralayya B.		IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022		
2022	Extraction of SIFT Features for Identifying Disaster Hit areas using Machine Learning Techniques	Kumar V.S., Alemran A., Gupta S.K., Hazela B., Dixit C.K., Haralayya B.		IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022		
2022	Natural Language Processing using Graph Neural Network for Text Classification	Kumar V.S., Alemran A., Karras D.A., Kant Gupta S., Kumar Dixit C., Haralayya B.		IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022		



2022	Design and Implementation of a Cascade Control System for Continuous Process Based on Control Logix 5571 PLC	Kumaresan K., Mohanraj R., Thomas R., Deepa R., Madhumita S., Nithishkumar K.		Proceedings of the 2022 3rd International Conference on Communication, Computing and Industry 4.0, C2I4 2022		
2022	Power Control of Solar Grid-Tie Inverter Using Bidirectional DC-DC Converter	Katta P., Joseph D., Mohammed Ovaiz A., Hashitha S., Srilekha P.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	A Survey of Circulating Tumor Cells Segmentation and Classification Algorithms	Kavitha S., Raghuraman S.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Speech Processing and Recognition of Sign Language using Tensor flow Classifier	Murali M., Senthil Kumar V., Nithya P., Prabhukumar S., Mohanraj K., Azhagumurugan R.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Smart Class-II Device with Integrated Medi-Tools	Aishwarya B., Prabhu V., Abishek E., Mohanraj K., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	FSM Based DNA Assembly Using Systolic Array	Bhuvanewari S., Ebenezer A.B., Prabhu V., Mohanraj K., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Parkinson's Disease Prediction Using Machine Learning Algorithm	Sandhiya S., Ashok S., Rao G.V.V., Prabhu V., Mohanraj K., Azhagumurugan R.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	A Framework of Medical Image Segmentation using Edge Stop Function based on Contour Model	Nancy W., Sathish Kumar P., Jebasingh Kirubakaran S.J., Ruban Thomas D., Mohanraj K., Azhagumurugan R.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Design and Implementation of Trapezoidal Antenna for UWB Applications	Balaji M., Arun Raghesh J.T., Palanivel S., Mohanraj K., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		

2022	Twiddle Factor Normalization Based Radix-2k Factorization for Improved Spectral Efficiency in Subcarrier Mapping	Purushotham M., Sharmila P., Kalpana R., Mohanraj K., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	High Speed and Low Power Modified Dynamic Double Tail Comparator on 90nm Technology using Cadence	Gayathri M., Leopauline S., Kavitha S., Mohanraj K., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Design and Implementation of Linear Taper Slot Antenna for Multiband Applications	Revathi M., Ruban Thomas D., Mohamed Abbas A., Mohanraj K., Tharani Chitra U., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Gradient-Driven Texture-Normalized Liver Tumor Detection Using Deep Learning	Kiruthiga R., Abbas M.A., Ashok S., Raj K.M., Azhagumurugan R., Balaji N.		3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings		
2022	Role of Cloud Management in Mitigating Vulnerabilities in Wireless Data Exchange Provider	Gunturu V., Padma Priya V.S., Abishek B E., Shetty S., Buddhi D., Shukla S.K.		Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022		
2022	A State-of-the-Art Survey of Machine Learning in the Agricultural Sector	Mohanasuganthi N., Kanimozhi J., Preethi V., Rohini M.S., Swathilakshmi V.		2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAIAI 2022		
2022	RFLSR based Productive MBIST Architecture for VLSI	Supriya M., Jayaraj V., Vinod S., Uma Maheswari V., Raja M.A., Krishnakumar S.		2nd IEEE International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering, ICATIECE 2022		
2022	IoT Based Agricultural Drones for Pest Control	Raj K.M., Balaji N., Vairavel K.S., Sharmila P., Azhagumurugan R., Jayakushal S.		2022 1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings		
2022	Analysis on Chest X-ray and Computed Tomography Images to Detect COVID-19 Based on Deep Learning Techniques	Kanimozhi J., Mohanasuganthi N., Priyadharshini A., Rohini M.S., Swathilakshmi V.		2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAIAI 2022		

2022	Text Localization and Recognition from Natural Scene Images using AI	Goud D.S., Vigneshwari M., Aparna P., Vijayasekaran G., Yadav A.S., Kumar A.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Renewable Energy based Security System for Isolator (Air Brake Switch) using Fingerprint Sensor with Internet of Things	Alagusabai A., Roossvelt Prabhu K.A.V., Jesu Jayarin P., Vishnu Vardhan Rao G., Jaiganesh V., Gopinathan R.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Optimal Trained Deep Maxout Model for Intrusion Detection in Cloud	Varghese M., Victor Jose M.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	A Review on Energy Efficient Cooperative Routing Algorithm for Wireless Sensor Networks	Immanuvel Arokia James K., Manjula P., Mohana M., Arthi S.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Fuzzy Logic Controlled SEPIC With Coupled Inductor-based Converter for High Voltage Applications	Kirubakaran D., Gomathi S., Kavitha T., Sai Silvy M., Rajeshwari P., Subha T.D.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Improvement of Safety in Road Environment by Designing an Advanced Driver Assistance System	Krishnan V.G., Rao P.V., Navaneethakrishnan M., Prabhu V., Parkavi D., Tamilarasan T.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Colour based Object Classification using KNN Algorithm for Industrial Applications	Santosh Kumar N.C., Uma Maheswari S., Vigneshwari M., Pramila P.V., Khilar R., Kumar A.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Machine Learning Techniques for Detecting DDoS Attacks in SDN	Kavitha M., Suganthy M., Biswas A., Srinivsan R., Kavitha R., Rathesh A.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		
2022	Splicing Image Forgery Detection by Deploying Deep Learning Model	Krishnamoorthy N., Amuthadevi C., Geedtha M.K., Reddy P.L., Anitha Rani K.S., Gopinathan R.		International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings		

2022	Personalized Music Recommendation System using Hybrid Deep Birch Data Analytics Method	Vijayashanthi V., Mary L.J., Navaneethakrishan M., Ramya M., Mohanaprakash T.A., Diviyasri S.		2022 IEEE 2nd International Conference on Mobile Networks and Wireless Communications, ICMNWC 2022		
2022	Modernized Wildlife Surveillance and Behaviour Detection using a Novel Machine Learning Algorithm	Gogula S., Khanna M.R., Neelappa, Sundaram A., Kumar E.R., Kumar S.R.	23218169	International Journal on Recent and Innovation Trends in Computing and Communication	10	
2022	Crptography based Lifi for Patient Privacy and Emergency Health Service Using IOT	Vithya V.T., Chandrasekar M.P., Suganthy M., Jasmine Hephzipah J., Sarala B., Praveena N.G., Perarasi M.	23218169	International Journal on Recent and Innovation Trends in Computing and Communication	10	
2022	A Real Time Face Mask Detection and Health Status Monitoring using Deep Learning after Pandemic	Deepa T., Hariprasad S., Bharathiraja N., Chokkalingam A.		Proceedings - International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2022		
2022	A Fast and Effective Method for Intrusion Detection using Multi-Layered Deep Learning Networks	Srikrishnan A., Raaza A., Abishek B.E., Rajendran V., Anand M., Gopalakrishnan S., Meena M.	2158107X	International Journal of Advanced Computer Science and Applications	13	12
2022	Synthesis, Characterization, Pharmacogenomics, and Molecular Simulation of Pyridinium Type of Ionic Liquids and Their Applications	Tamilarasan R., Ganesan K., Subramani A., Benazir Ali L., Alam M.M., Mohammed A.	24701343	ACS Omega		
2022	Health Data Accessibility Method using Smart Card in IoT	Pooja S., Tamilvizhi T., Jayarani R., Prethy M.		4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings		
2022	Investigative and Analysis Guidance in Walking Pattern for Orthopedic Subjects	Kumar S., Mahalakshmi N., Ramkumar S., Shreeja D.		4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings		
2022	Deep Learning based Fault Detection in Power Transmission Lines	Kumar T.S., Meena R., Mani P.K., Ramya S., Khandan K.L., Mohammed A., Ramkumar M.S.		4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings		
2022	Fault Diagnosis of Electric Vehicle's Battery by Deploying Neural Network	Shete S., Jog P., Kamalakannan R., Arun Raghesh J.T., Manikandan S., Kumawat R.K.		6th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2022 - Proceedings		

2022	Comparison of SOH Prediction ML Technique for Electric Vehicles	Pradeep J., Harsha S.S., Jenin Prabhu R., Subramani K., Mahendran G., Selvaganapathi T.		6th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2022 - Proceedings		
2022	A Hybrid Security Model for the Protection of Diagnostic Text Data in Medical Images over Internet of Things	Pavaiyarkarasi R., Ramu R., Sahaana G., Saravanan L., Benazir Begam R., Thandaiah Prabu R.		6th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2022 - Proceedings		
2022	AI and IoT-based Electric Vehicle Monitoring System	Bharathi M., Geetha K., Mani P.K., Nixon Samuel Vijayakumar G., Srinivasan K., Kumar K.R.		6th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2022 - Proceedings		
2022	Experimental investigation of a multilayer nitride coating deposited on austenitic coating steel	Jasper S., Vijayakumar D., Stalin B., Rajesh S., Jhansi Ida S.	22147853	Materials Today: Proceedings	74	
2022	Study of the Effect on Friction Welded Surface on Copper Aluminium Juncture	Senthilkumar M., Singh L.K., Lakshmanan S., Shanawaz A.M., Selwin M.	10139826	Key Engineering Materials	935	
2022	IoT-based Solar Panel Tracking System to Enhance the Output Power	Mani P.K., Sunagar P., Madhuri N.S., Rajah A.J.L., Ramya D., Kathir I.		3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings		
2022	ML and IoT-based Soil Type Analysis and Prediction System	Veerraju T., Mani P.K., Jhanani Shree U., Pratheep V.G., Valarmathi P., Maheswari B.U.		3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings		
2022	IoT based Smart Helmet System for Accident Prevention	Johnpaul S., Selvan C.T., Raguraman P.J.		International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings		
2022	Analysis of Voltage Tracking in DC-DC Converter for an Electric Vehicle using Hybrid Adaptive Controllers	Karthikeyan M., Manimegalai D., Sivarajan S., Karthiga S., Muthuraman U.		International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings		
2022	Multi-Tier Kernel for Disease Prediction using Texture Analysis with MR Images	Mohan M., Anuradhapatil, Mohana S., Subhashini P., Kushwaha S., Pandian S.M.		International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings		
2022	Image Enhancement and Implementation of CLAHE Algorithm and Bilinear Interpolation	Venkatesh S., John De Britto C., Subhashini P., Somasundaram K.	1969722	Cybernetics and Systems		

2022	Secure Android Location Tracking Application with Privacy Enhanced Technique	Dhinakaran D., Rajesh Khanna M., Panimalar S.P., Anish P., Pradeep Kumar S., Sudharson K.		Proceedings - 2022 5th International Conference on Computational Intelligence and Communication Technologies, CCICT 2022		
2022	A Novel Symmetric Key Compact to Reliable Connection between Sensor Nodes Using Exploitable Features of ECG	Riya K.S., Sudhakar J., Ravichandran M., Tamilselvi M., Sajiv G.		Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022		
2022	IoT and SVM-based Smart Irrigation System for Sustainable Water Usage	Alphonse A.S., Suresh Kumar V., Meenakshisundaram N., Anvar Shathik J., Gomathi S.		Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022		
2022	Optimal Deep Learning-Based Vocal Fold Disorder Detection and Classification Model on High-Speed Video Endoscopy	Sakthivel S., Prabhu V.	20402295	Journal of Healthcare Engineering	2022	
2022	GPS Tracking Traffic Management System Using Priority Based Algorithm	Manjula S., Suganthy M., Anandan P.	18684238	IFIP Advances in Information and Communication Technology	654	
2022	An Integration of Deep Learning Approach for prediction of Consumer Reviews using Sentiment Analysis	Krishnan V.G., Sankar K., Saleem P.A.A., Hemamalini S., Vijayashanthi V., Sheryl S.A.		3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings		
2022	Design and Fabrication of Flexible Nanoantenna-Based Sensor Using Graphene-Coated Carbon Cloth	Kandasamy S.K., Maheswaran S., Karuppusamy S.A., Indra J., Anand R., Rega P., Kavitha A., Immanuel Arokia James K., Nehru K., Kathiresan K.	16878434	Advances in Materials Science and Engineering	2022	
2022	An Analysis of Machine Learning-Based Android Malware Detection Approaches	Srinivasan R., Karpagam S., Kavitha M., Kavitha R.	17426588	Journal of Physics: Conference Series	2325	1
2022	A Novel Routing Protocol for Low-Energy Wireless Sensor Networks	Suresh S., Prabhu V., Parthasarathy V., Boddu R., Sucharitha Y., Teshite G.	1687725X	Journal of Sensors	2022	

2022	Convolutional Neural Network for Speaker Recognition Embedding with Biometric System	Priyadharshini A., Balakrishnan R., Mohamed Shazuli S., Gunapriya D., Joseph D.		5th International Conference on Inventive Computation Technologies, ICICT 2022 - Proceedings		
2022	Supervision for Obscure Places to Avoid Intrusion using NNSA	Prabu R., Selvan C.T., Vijayanand P.		7th International Conference on Communication and Electronics Systems, ICCES 2022 - Proceedings		
2022	Programmed for Automatic Bone Disorder Clustering Based on Cumulative Calcium Prediction for Feature Extraction	Ramkumar S., Rajeev Kumar M., Sasi G.	14336510	Clinical Laboratory	68	8
2022	Automatic Soil Moisture Control and Seed Sowing using Agrobot	Karthikeyan M., Manimegalai D.		2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022		
2022	A Critical Investigation in Analysing the Main Factors Influencing the Network Security Strategies By Applying the Big Data Context Using Multivariate Analysis of Variance (MANOVA)	Khanna M.R., Arun M., Othman B.A., Johar S.S., Bhattacharya S., Suribabu P.		2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022		
2022	The Recent Advancements of Radio Frequency Machine Learning (RFML) Approaches in Enhancing Wireless Security Using Multi Regression Analysis Approach (MRAA)	Khan Z.Z., Dhinakaran M., Deepthi P., Johar S.S., Ventayen R.J.M., Kalpana R.		2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022		
2022	AI-Based convolute Neural Approach Management To Predict The RNA Structure	Rishi S., Debnath S., Dewani S., David D.S., Jalee R.A., Zahra M.M.A.		2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022		
2022	Synthesis of a Novel Nanoparticle BaCoO <sub>2</sub> through Sol-Gel Method and Elucidation of Its Structure and Electrical Properties	Rafiq F., Govindsamy P., Periyasamy S.	16874110	Journal of Nanomaterials	2022	

2022	Quantum Behaved Particle Swarm Optimization-Based Deep Transfer Learning Model for Sugarcane Leaf Disease Detection and Classification	Tamilvizhi T., Surendran R., Anbazhagan K., Rajkumar K.	1024123X	Mathematical Problems in Engineering	2022	
2022	Internet of Things-Based Patient Cradle System with an Android App for Baby Monitoring with Machine Learning	Kumar V.S., Pullagura L., Kumari N.V., Pooja Nayak S., Devi B.P., Alharbi A., Asakipaam S.A.	15308669	Wireless Communications and Mobile Computing	2022	
2022	Investigations on Wear Behavior of Aluminium Composites at Elevated Temperature	Senthil Kumar B.R., Gopalarama Subramanayan G., Pragadish N., Venkatesh P.M., Sanjay S., Velu C.M., Navaneethakrishnan G., Vellingiri S., Govindarajan V.	16878434	Advances in Materials Science and Engineering	2022	
2022	Denoising and segmentation of brain image by proficient blended threshold and conserve edge scrutinize technique	Veerabatheran N., Venkatesan P., Mahendran R.K.	8247935	Computational Intelligence		
2022	Automated speech based evaluation of mild cognitive impairment and Alzheimer's disease detection using with deep belief network model	AI-Atroshi C., Rene Beulah J., Singamaneni K.K., Pretty Diana Cyril C., Neelakandan S., Velmurugan S.	20479700	International Journal of Healthcare Management		
2022	Predictive Scaling of Elastic Pod Instances for Modern Applications on Public Cloud through Long Short-Term Memory.	Bharanidharan G., Jayalakshmi S., Mayilvahanan P.		Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022		
2022	A Novel Framework on Channel Estimation for Massive MIMO Systems	Devi E.A., Pushpa V., Arivazhagi P., Thomas D.R.		Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022		
2022	Impact of Social Media Affecting Student's Academic Performance using Opinion Mining	Mathimagal N., Jayalakshmi S., Prasanna S.		Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022		
2022	Enhancement in Quality of Services for an IoT Based Wireless Sensor Networks	Dinesh Anton Raja P., Arunkumar K., Selvarani A., Nithya P.		Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022		



2022	Detection of Falsified Selfish Node with Optimized Trust Computation Model In Chimp-AODV Based WSN	Manjula P., Baghavathi Priya S.		Proceedings of the 2022 International Conference on Electronic Systems and Intelligent Computing, ICESIC 2022		
2022	Transmission of Biometric Feature Using Facial Features Securely For Long Distance Biometric Recognition System	Suganthy M., Manjula S., Kavitha M., Anandhan P.		Proceedings of the 2022 International Conference on Electronic Systems and Intelligent Computing, ICESIC 2022		
2022	Prediction of OPTIMIZED Stock Market Trends using Hybrid Approach Based on KNN and Bagging Classifier (KNNB)	Manimegalai T., Manju J., Rubiston M.M., Vidhyashree B., Prabu R.T.		Proceedings - 2022 IEEE 11th International Conference on Communication Systems and Network Technologies, CSNT 2022		
2022	Transformation of magnetic ordering in MnCo <sub>1-x</sub> Ni <sub>x</sub> Ge (x = 0–0.6) alloys, its investigations on structural, transport, magnetic, and magnetocaloric properties	Devarajan U., Nair S., Venkateswaran C.	22147853	Materials Today: Proceedings	65	
2022	A Neuro Fuzzy with Improved GA for Collaborative Spectrum Sensing in CRN	Velmurugan S., Ezhumalai P., Mary Anita E.A.	10798587	Intelligent Automation and Soft Computing	34	2
2022	Prediction of Autism Spectrum Disorder using Convolution Neural Network	Karuppasamy S.G., Muralitharan D., Gowr S., Arumugam S.R., Devi E.A., Maharajan K.		2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings		
2022	Layout Optimization for Agriculture or Small Scale Agrarian Industry	Dadi P.S., Tamilvizhi T., Surendran R.		2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings		
2022	Sustainable Broadcasting in Wireless Sensor Network	Dinesh D., Surendran R., Sangeetha S., Annapoorani A.		2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings		
2022	Early Discovery of Chronic Kidney Disease by Attributing Missing Values	Madhavi S., Pathmanaban J., Sangeetha S., Riya K.S.		2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings		
2022	Design and Development of GIOT based Intelligent Smart Waste Management and Predictive Modelling	Bharathiraja N., Deepa T., Hariprasad S., Chokkalingam A.		2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings		

2022	Privacy Preserving Reliable Data Transmission in Cluster Based Vehicular Adhoc Networks	Tamilvizhi T., Surendran R., Tavera Romero C.A., Sendil M.S.	10798587	Intelligent Automation and Soft Computing	34	2
2022	Detection of DDoS Attack in IoT Networks Using Sample Selected RNN-ELM	Hariprasad S., Deepa T., Bharathiraja N.	10798587	Intelligent Automation and Soft Computing	34	3
2022	Analysis through Different Rehabilitation Exercises for Muscular Dystrophy	Harchana R., Ramkumar S., M. R., Saranya U.		2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings		
2022	Secure Electronic Transaction Using AADHAAR Based QR Code and Biometric Authentication	Shanmugapriyan J., Parthasarathy R., Sathish S., Prasanth S.		2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings		
2022	Log System for Mass Crowd and Live Tracking Using Radio Frequency Based on IoT	Nivetha A.S., Ramkumar S., Rajalakshmi S., Saravanan K.A., Revathy M.		2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings		
2022	AN ERYTHEMATO SQUAMOUS DISEASE (ESD) DETECTION USING DBN TECHNIQUE	Gopalakrishnan S., Ebenezer A.B., Vijayalakshmi A.		2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings		
2022	Diagnosis of cardiovascular disorder by CT images using Machine learning technique	Nithyakalyani K., Ramkumar S., Rajalakshmi S., Saravanan K.A.		2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 - Proceedings		
2022	Chaotic Salp Swarm Optimization-Based Energy-Aware VMP Technique for Cloud Data Centers	Parthiban S., Harshavardhan A., Neelakandan S., Prashanthi V., Alhassan Alolo A.-R.A., Velmurugan S.	16875265	Computational Intelligence and Neuroscience	2022	
2022	Partially replacing EPS foam and Metakaolin in interlocking bricks	Kathiravan A., Dasarathy A.K., Selvi M.T., Ilango Er.S.P.	19386737	ECS Transactions	107	1
2022	Crisis Vehicle with Smart Technology by using RSSI	RajeshKhanna M., SureshKumar V.	19386737	ECS Transactions	107	1
2022	A numerical analysis of friction stir welded joint using FEA	Logesh M., Kumar D.V., Shankaranarayana R., Sathyamurthy R., Dhanapal B.	22147853	Materials Today: Proceedings	62	
2022	A Healthcare System for detecting Stress from ECG signals and improving the human emotional	Madhavikatamaneni, Riya S.K., Anvar Shathik J., Poornapushkala K.		2022 International Conference on Advanced Computing Technologies and Applications, ICACTA 2022		

2022	A Smart wearable motion sensor and acoustic signal processing based on vocabulary for monitoring children's wellbeing using Big Data	Nuthakki P., Manju J., Geetha R., Suguna M., Sheik Abdullah A.S.		2022 International Conference on Advanced Computing Technologies and Applications, ICACTA 2022		
2022	Improved Sentimental Analysis to the Movie Reviews using Naive Bayes Classifier	Gowri S., Surendran R., Divya Bharathi M., Jabez J.		Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2022		
2022	Load balancing with SIP protocol using distributed web-server system	Harshavardhini U., Saraswathi T., Manju J.	17550386	International Journal of Advanced Intelligence Paradigms	21	3-4
2022	Optimized Image Multiplication with Approximate Counter Based Compressor	Maria Dominic Savio M., Deepa T., Bharathiraja N., Bonasu A.	15462218	Computers, Materials and Continua	72	2
2022	Image Processing-Based Switching Matrix for PV Array Under Partial Shading Conditions	Manimegalai D., Karthikeyan M.	18761100	Lecture Notes in Electrical Engineering	844	
2022	Artificial Deep Neural Network in Hybrid PV System for Controlling the Power Management	Sahoo S., Amirthalakshmi T.M., Ramesh S., Ramkumar G., Arockia Dhanraj J., Ranjith A., Obaid S.A., Alfarraj S., Kumar S.S.	1110662X	International Journal of Photoenergy	2022	
2022	A visualisation technique of extracting hidden patterns for maintaining road safety	Selvarathi C., Subha S., Raja G.M., Lakshmi K.V.	17550386	International Journal of Advanced Intelligence Paradigms	21	1-2
2022	Federated Learning for Privacy-Preserved Medical Internet of Things	Thilakarathne N.N., Muneeswari G., Parthasarathy V., Alassery F., Hamam H., Mahendran R.K., Shafiq M.	10798587	Intelligent Automation and Soft Computing	33	1
2022	Investigations on hybrid wavelength-mode-orthogonal frequency-division multiplexing scheme based free space optical transmission system under varying atmospheric conditions	Joseph D., Karthikeyan A., Kuppusamy P.G., Prabhu V.	3068919	Optical and Quantum Electronics	54	1
2022	Heart disease diagnosis using electrocardiography (Ecg) signals	Vimal V.R., Anandan P., Kumaratharan N.	10798587	Intelligent Automation and Soft Computing	32	1
2022	Unmanned aerial vehicles (Uav) in precision agriculture: Applications and challenges	Velusamy P., Rajendran S., Mahendran R.K., Naseer S., Shafiq M., Choi J.-G.	19961073	Energies	15	1
2022	Intelligent chimp metaheuristics optimization with data encryption protocol for WSN	Manjula P., Baghavathi Priya S.	10798587	Intelligent Automation and Soft Computing	32	1

2022	An Enhanced Fuzzy Segmentation Framework for extracting white matter from T1-weighted MR images	Vinurajkumar S., Anandhavelu S.	17468094	Biomedical Signal Processing and Control	71	
2022	Investigation of performance, combustion, and emission characteristics of diesel engine equipped with exhaust gas recirculation using ceria and zirconia nanoparticles-blended rice bran biodiesel	Selvabharathi R., Selvam M., Palani S.K.	15567036	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	44	2
2022	Biopolymer film fabrication for skin mimetic tissue regenerative wound dressing applications	Sellappan L.K., Anandhavelu S., Doble M., Perumal G., Jeon J.-H., Vikraman D., Kim H.-S.	914037	International Journal of Polymeric Materials and Polymeric Biomaterials	71	3
2021	Copper Oxide Nanorod/Reduced Graphene Oxide Composites for NH3 Sensing	Sivalingam M.M., Olmos-Asar J.A., Vinoth E., Tharmar T., Shkir M., Said Z., Balasubramanian K.	25740970	ACS Applied Nano Materials	4	12
2021	Morphological Based Medical Image Processing on Cervical Cytology Cancer Images Using Connected Component Techniques	Robert P., Kavida A.C.	15734056	Current Medical Imaging	17	12
2021	An energy-efficient centralized dynamic time scheduling for internet of healthcare things	Mahendran R.K., Prabhu V., Parthasarathy V., Thirunavukkarasu U., Mary Judith A., Jagadeesan S.	2632241	Measurement: Journal of the International Measurement Confederation	186	
2021	Internet of robotic things: A new architecture and platform	Vijayalakshmi V., Vimal S., Saravanan M.		Human Communication Technology: Internet-of-Robotic-Things and Ubiquitous Computing		
2021	Random forest regression-based machine learning model for accurate estimation of fluid flow in curved pipes	Ganesh N., Jain P., Choudhury A., Dutta P., Kalita K., Barsocchi P.	22279717	Processes	9	11
2021	Security and privacy issues in medical internet of things: Overview, countermeasures, challenges and future directions	Elhoseny M., Thilakarathne N.N., Alghamdi M.I., Mahendran R.K., Gardezi A.A., Weerasinghe H., Welhenge A.	20711050	Sustainability (Switzerland)	13	21
2021	Welding fault analysis on linke hofmann busch bogie frames	Rajesh S., Palani	0094243X	AIP Conference Proceedings	2417	
2021	Fabrication of instrumental panel made of jute and glass fiber reinforced composite	Jayabalan C., Palani S.	0094243X	AIP Conference Proceedings	2417	

2021	Investigations on caesium-incorporated rubidium tin chloride-defect perovskite nanomaterial as highly efficient ultraviolet photocatalysts	Ganesan R., Muralidharan R., Parthipan G., Vinodhini S.P., Balasubramani V., Sridhar T.M., Arulmozhi R., Leelavathi H.	9574522	Journal of Materials Science: Materials in Electronics	32	20
2021	VLSI Design Course through Online Educational Tools during the COVID-19 Pandemic	Balaji M.S.P., Sivaraju S.S., Jayabharathy R., Sasi G., Thanapal P., Elamaran V.		Proceedings of the 3rd International Conference on Inventive Research in Computing Applications, ICIRCA 2021		
2021	Deep root memory optimized indexing methodology for image search engines	Karthikeyan R., Kavida A.C., Suresh P.	2676192	Computer Systems Science and Engineering	40	2
2021	Detection of fetal arrhythmia by adaptive single channel electrocardiogram extraction	Suganthi M., Joy S.I., Anandan P.	26624729	Physical and Engineering Sciences in Medicine	44	3
2021	Effect of Ceramic Particulate Addition on Aluminium Based Ex-Situ and In-Situ Formed Metal Matrix Composites	Gobalakrishnan B., Rajaravi C., Udhayakumar G., Lakshminarayanan P.R.	15989623	Metals and Materials International	27	9
2021	Impact of reducing agents on the ammonia sensing performance of silver decorated reduced graphene oxide: Experiment and first principles calculations	Mariappan S.M., Eswaran M.K., Schwingenschlogl U., Thangeeswari T., Vinoth E., Shkir M., Said Z., Karthikeyan B.	1694332	Applied Surface Science	558	
2021	Cloud Based Smart Vehicle Tracking System	Tamilvizhi T., Surendran R., Krishnaraj N.		Proceedings - 2021 International Conference on Computing, Electronics and Communications Engineering, iCCECE 2021		
2021	Fabrication of dual layered biocompatible herbal biopatch from biological waste for skin - tissue regenerative applications	Sellappan L.K., Sanmugam A., Manoharan S.	1418130	International Journal of Biological Macromolecules	183	
2021	Study of synthesis, characterization and thermo physical properties of Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -TiO <sub>2</sub> / H <sub>2</sub> O based tri-hybrid nanofluid	Palanisamy R., Parthipan G., Palani S.	18423582	Digest Journal of Nanomaterials and Biostructures	16	3
2021	An advanced artificial intelligence technique for resource allocation by investigating and scheduling parallel-distributed request/response handling	Geetha R., Parthasarathy V.	18685137	Journal of Ambient Intelligence and Humanized Computing	12	7

2021	Spectroscopic (FT-IR, FT-Raman, UV-Vis) molecular structure, electronic, molecular docking, and thermodynamic investigations of indole-3-carboxylic acid by DFT method	Sathish M., Rajasekaran L., Shanthi D., Kanagathara N., Sarala S., Muthu S.	222860	Journal of Molecular Structure	1234	
2021	An efficient performance analysis using collaborative recommendation system on big data	Deepak V., Rajesh Khanna M., Dhanasekaran K., Prakash P.G.O., Babu D.V.		Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021		
2021	Some 3-divisor cordial graphs derived from path	Narayanan S.S., Vijayaragavan M.	20757905	Jordan Journal of Mathematics and Statistics	14	2
2021	Influence of optimization techniques and nano surface coating materials on microstructure of iron-nickel-chromium alloy using wire EDM process	Selvabharathi R., Ganapathy Srinivasan R., Palani S.	20831331	Materials Science- Poland	39	2
2021	Pre-processing on remotely sensed data with unsupervised classification analysis	Devi N.B., Kavida A.C.	18685137	Journal of Ambient Intelligence and Humanized Computing	12	6
2021	FPGA implementation of DC bias removal filters - A case study with an ECG signal	Sasi G., Vimala R., Sivaraju S.S., Ramya R., Elamaram V.		2021 3rd International Conference on Signal Processing and Communication, ICPSC 2021		
2021	Mixed pixel removal in north Tamil Nadu region for accurate area measurement	Mani P., Rajendiran Nagalingam S., Celine Kavida K., Elanchezhian G.	8247935	Computational Intelligence	37	2
2021	Invariant packet feature with network conditions for efficient low rate attack detection in multimedia networks for improved QoS	Suchithra M., Baskar M., Ramkumar J., Kalyanasundaram P., Amutha B.	18685137	Journal of Ambient Intelligence and Humanized Computing	12	5
2021	Insight on the optoelectronics and enhanced dielectric properties of strontium decorated PbI <sub>2</sub> nanosheets for hot carrier solar cell applications	Mariappan S.M., Shkir M., Alshahrani T., Elangovan V., Algarni H., AlFaify S.	9258388	Journal of Alloys and Compounds	859	
2021	Electrochemically Deposited Porous Graphene–Polypyrrole–Polyp henol Oxidase for Dopamine Biosensor	Ramu P., Vimal S.P., Suresh P., Saravanakumar U., Sethuraman V., Anandhavelu S.	10400397	Electroanalysis	33	3
2021	Intracluster cooperative communication in smart home scenario through stable election protocol	Immanuvel Arokia James K., Prabakaran R.	15320626	Concurrency and Computation: Practice and Experience	33	3

2021	PIC controlled hardware model realization for frequency regulation in power plants	Karuppiah N., Tamilselvi S., Shanmugapriyan J.		Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021		
2021	Friendly ad hoc routing in cloud scenario using CH selection and transmission head to enrich the security mechanism	Parthasarathy R., Shanmugapriyan J.	18685137	Journal of Ambient Intelligence and Humanized Computing	12	2
2021	A study of UPQC: emerging mitigation techniques for the impact of recent power quality issues	Nagarajan A., P S., M.V S., P M.	3056120	Circuit World	47	1
2021	Roadmap of Green Internet of Things (IoT) and its services: Let us Survey starts with Smart Hotel Application	Tamilvizhi T., Surendran R., Mathan Kumar M.	27324494	IET Conference Proceedings	2021	11
2021	Best Cloud Node Prediction and Matchmaking Using Cloud Resource Prediction Pattern	Tamilvizhi T., Surendran R., Krishnaraj N.	27324494	IET Conference Proceedings	2021	11
2021	Smart Game Development on Removal of Every K Player and Find the Winner Using Linked List Concepts	Surendran R., Tamilvizhi T., Krishnaraj N.	27324494	IET Conference Proceedings	2021	11
2021	Online Cloud Smart Service on Student Voting, Book Search and Educational Server	Surendran R., Tamilvizhi T., Gowri S.	27324494	IET Conference Proceedings	2021	11
2021	Machine Learning Techniques Application: Social Media, Agriculture, and Scheduling in Distributed Systems	Karthikeyan P., Velswamy K., Harshavardhanan P., Rajagopal R., JeyaKrishnan V., Velliangiri S.		Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing		
2021	Role of nanobiosensors and biosensors for plant virus detection	Sellappan L., Manoharan S., Sanmugam A., Anh N.T.		Nanosensors for Smart Agriculture		
2021	Priority-Based Task Allocation and Scheduling in WSN Using DMPS	Suguna M., Prakash D., Shobana G., Cynthia J.	26623161	Springer Proceedings in Materials	5	
2021	Effect of Welding Speed on Advanced CMT-Welded AA 6061 Grade Aluminum Alloy Joints	Selvamani S.T., Velmurugan S., Hariharan S.J., Palanikumar K.	26623161	Springer Proceedings in Materials	7	
2021	Heat Transfer Analysis on Advanced CMT Welded Low Carbon Steel Joints	Selvamani S.T., Velmurugan S., Palanikumar K.	26623161	Springer Proceedings in Materials	7	

2021	Analysis of DI CI engine fueled with neat plastic oil and titanium oxide nanomaterial as an additive	Sathyamurthy R., Salman M.S., Vijayabalan P., Sundar S.P., Dharmaraj V.	22147853	Materials Today: Proceedings	50	
2021	Lossy Data Compression using K-Means Clustering on Retinal Images using RStudio	Sivaarunagirinathan S., Ajith Bala B., Fairouz S., Sasi G., Narayan Upadhyay H., Elamaran V.		Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021		
2021	A comparative study on solar dryer using external reflector for drying grapes	Dharmadurai P.L., Vasanthaseelan S., Bharathwaaj R., Dharmaraj V., Gnanasekaran K., Balaji D., Sathyamurthy R.	22147853	Materials Today: Proceedings	50	
2021	Integrating the Meteorological Data into a Smart City Service Using Cloud of Things (CoT)	Surendran R., Tamilvizhi T., Lakshmi S.	18678211	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST	395	
2021	Detection of oddity using user behavior patterns and home conditions for home automation of IOT devices	Vimal V.R., Vineetha B., Dinusha C., Madhuri M.V.N.		12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021	2021-	
2021	A semantic software development based on random probability distribution model	Mei Q., Huang Y., Anandhan P., Parthasarathy R.	17402832	International Journal of Technology Intelligence and Planning	13	1
2021	Patient health care intensive care system using wearable band sensor network	Ramkumar S., Rajeev Kumar M., Rajalakshmi S., Rathi M.	22147853	Materials Today: Proceedings	47	
2021	Detection of diabetic retinopathy using OCT image	Sakthi Sree Devi M., Ramkumar S., Vinuraj Kumar S., Sasi G.	22147853	Materials Today: Proceedings	47	
2021	Finger vein pattern recognition using image processing technique	Harchana R., Mahalakshmi A., Nivetha A.S., Sridhar A.V.	22147853	Materials Today: Proceedings	47	
2021	Review on home energy management system	Balakrishnan R., Geetha V.	22147853	Materials Today: Proceedings	47	
2021	Multi-objective high-fidelity optimization using NSGA-III and MO-RPSOLC	Ganesh N., Ragavendran U., Kalita K., Jain P., Gao X.-Z.	15261492	CMES - Computer Modeling in Engineering and Sciences	129	1
2021	Blockchain based combinatorial grouping auction with reserve price mechanism in cloud computing	Periyasami K., Venugopal J., Thirumoorthy G., Ramasamy R., Balakrishnan N.	26662558	Recent Advances in Computer Science and Communications	14	5



2021	Study of mechanical properties of alkali treated smilax zeylanica fiber/sisal fiber/vinyl ester hybrid composites under wet condition	Ayyanar A., Gp R., Aziz Batcha A., Mani T.	13921320	Medziagotyra	27	2
2021	Performance analysis of iris biometric system using GKPCA and SVM	Suganthi M., Manjula S.	14614111	International Journal of Information Technology and Management	20	1-2
2021	One-pot synthesis of chitosan@cofe2o3-graphene oxidenanocomposites as electrode materials for electrochemical biosensor and super capacitor	Vanitha C., Sucharitha M., Anandhavelu S., Sethuraman V., Yogananth A.	18423582	Digest Journal of Nanomaterials and Biostructures	16	1
2021	A collective and comparative study of various routing protocols and the threats in MANET	Ramadass P., Sankar M., Shanmugapriyan J.	19478208	International Journal of Knowledge and Systems Science	12	1
2021	Intruder Insinuation and Smart Surveillance Using Face Detection and Mask Detection	Rajesh Khanna M., Prakash Raj G., Prem Kumar S., Vignesh Raaj N.S.	21945357	Advances in Intelligent Systems and Computing	1270	
2021	Systematic effective modeling and geospatial information framework for environmental issues in urban areas	Su F., Li M., Shanthini A., Parthasarathy R.	1959255	Environmental Impact Assessment Review	86	
2021	Design and Analysis of Rocker Arm Shaft in IC Engine Hino Series for Reduction of Assembling Dismantling Time	Iruthayaraj R., Palani S., Ajay Vishal R., Living Rockson T., Anand K.	21954356	Lecture Notes in Mechanical Engineering		
2021	Magnetic and X-ray photo electron spectroscopic analysis of samarium doped iron oxide nanoparticles	K H., K A., R A., G P., Rajaram M.	14328917	Materials Research Innovations	25	6
2021	An efficient priority-based convolutional auto-encoder approach for electrocardiogram signal compression in Internet of Things based healthcare system	Mahendran R.K., Velusamy P., Parthasarathy R., Shanmugapriyan J., Pandian P.	21615748	Transactions on Emerging Telecommunications Technologies	32	1
2021	Investigation of Physical-Chemical Properties and Evaluation of Optimal Blend Ratio of Rice Bran Biodiesel: A Mathematical Regression Analysis Approach	Selvam M., Palani S., Vaishnavi P.	21954356	Lecture Notes in Mechanical Engineering		

2021	Gender-Based Vegetarian and Nonvegetarian Dietary Impact on Cardiac Autonomic Function of Heart Rate Variability	George K., Immaculate Joy S., Thomas N.S., Balamurali R., Baskaran K.	7315724	Journal of the American College of Nutrition	40	3
2020	Performance augmentation of machining centers by improving the overall equipment effectiveness in subsystems	Muthukumar S., Thiruchitrabalam M.	17578981	IOP Conference Series: Materials Science and Engineering	993	1
2020	The importance of public support in the implementation of green transportation in smart cities using smart vehicle bicycle communication transport	Li N., R P., Padwal H.H.	2640473	Electronic Library	38	5-6
2020	Radio Frequency Identification (RFID) based ubiquitous health care data handling	Tamilvizhi T., Surendran R., Bommi R.M.	17578981	IOP Conference Series: Materials Science and Engineering	994	1
2020	Reduction of return loss in microstrip patch antenna using EBG structure for vehicular wireless communication	Prianka R.R., Kavida A.C., Karthikeyan A.	19044720	Journal of Green Engineering	10	12
2020	Internet of underground things-assisted performance evaluation for underbalanced drilling telemetry systems	Xie H., Zhou J., Zhang P., Kumar R., Parthasarathy R.	21615748	Transactions on Emerging Telecommunications Technologies	31	12
2020	IoT based engineering paradigm for real-time home automation	Suguna M., Syed Ali Fathima S.J., Prakash D., Shobana G.	0094243X	AIP Conference Proceedings	2270	
2020	Procuring cooperative intelligence in autonomous vehicles for object detection through data fusion approach	Daniel A., Subburathinam K., Muthu B.A., Rajkumar N., Kadry S., Mahendran R.K., Pandian S.	1751956X	IET Intelligent Transport Systems	14	11
2020	Growth, structural, optical, thermal and dielectric behaviour of a novel organic nonlinear optical (NLO) material: Benzimidazolium trichloroacetate monohydrate	Jagadesan A., Sivakumar N., Arjunan S., Parthipan G.	9253467	Optical Materials	109	
2020	An improved early detection method of autism spectrum anarchy using euclidean method	Deepak V., John Justin Thangaraj S., Rajesh Khanna M.		Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020		

2020	Design and implementation of tunable network on chip for FPGA applications	Joy V.		Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020		
2020	One-pot synthesis of bidentate ligand chtc @ cu (ii), ni (ii), co (ii), and zn (ii) complexes for antimycobacterial and molecular docking studies	Ashma A., Anandhavelu S., Anbarasu S., Askar Ali S.J.	9720626	Research Journal of Chemistry and Environment	24	10
2020	Study of uniformly doped nano scale single-walled CNTFET under dark and illuminated conditions	Arulmary A., Rajamani V., Kavitha T.	262692	Microelectronics Journal	104	
2020	Enhanced dielectric, EMI shielding effectiveness, linear and nonlinear optical properties of CdO/SnO <sub>2</sub> nanocomposites	Senthil S., Srinivasan S., Thangeeswari T., Madhu B.J., Silambarasan M.	2352507X	Nano-Structures and Nano-Objects	24	
2020	Synthesis, NMR and single crystal studies of (E)-tert-butyl 2-(3-methyl-2,6-diarylpiperidin-4-ylidene)hydrazinecarboxylates	Shanthi D., Rajeswari K., Udhaya Kumar C., Vidhyasagar T., Velayutham Pillai M.	24058300	Chemical Data Collections	29	
2020	A pattern analysis based underwater video segmentation system for target object detection	Rajasekar M., Celine Kavida A., Anto Bennet M.	9236082	Multidimensional Systems and Signal Processing	31	4
2020	Geometric distortion and mixed pixel elimination via TDYWT image enhancement for precise spatial measurement to avoid land survey error modeling	Prabu M., Shanker N.R., Celine Kavida A., Ganesh E.	14327643	Soft Computing	24	19
2020	A Fuzzy Model for Noise Estimation in Magnetic Resonance Images	Shanmugam A., Rukmani Devi S.	19590318	IRBM	41	5
2020	Energy efficient hash table based clustered routing approach in wireless sensor networks	John Justin Thangaraj S., Indra E., Kalyan Kumar G., Deepak V., Rajesh Khanna M.	19044720	Journal of Green Engineering	10	9
2020	Enhanced Ferromagnetic Property at Room Temperature and Photocatalytic Efficiency of CdO/CeO <sub>2</sub> /PVP Nanocomposite	Senthil S., Srinivasan S., Thangeeswari T., Silambarasan M., Ratchagar V.	15571939	Journal of Superconductivity and Novel Magnetism	33	8

2020	Care yourself: A self health care assistant for elderly using visible light communication	Kavitha A., Swaminathan J.N., Karthik V.J., Vignesh O.		International Symposium on 5G & Beyond for Rural Upliftment 2020: In twinning activity between BIT Sindri & IIT(ISM) Dhanbad Jointly with the IEEE 5G summit and 35th GISFI Standardization Series Meeting (GSSM)		
2020	An intelligent predictive model-based multi-response optimization of EDM process	Ganesh N., Ghadai R.K., Bhoi A.K., Kalita K., Gao X.-Z.	15261492	CMES - Computer Modeling in Engineering and Sciences	124	2
2020	Design and Implementation of Heartbeat Rate and SpO2 Detector by Using IoT for Patients	Natarasan S., Sekar P.		Proceedings of the International Conference on Electronics and Sustainable Communication Systems, ICESC 2020		
2020	Fourier transform infrared and fluorescence spectroscopic analysis of h bonding variation in human benign and cancerous breast tissues	Devi G., Thangeeswari T., Magesh T.	9752366	International Journal of Pharmaceutical Research	12	3
2020	Robust metamodels for accurate quantitative estimation of turbulent flow in pipe bends	Ganesh N., Dutta P., Ramachandran M., Bhoi A.K., Kalita K.	1770667	Engineering with Computers	36	3
2020	An energy-aware buffer management (EABM) routing protocol for WSN	Jayarajan P., Kanagachidambaresan G.R., Sundararajan T.V.P., Sakthipandi K., Maheswar R., Karthikeyan A.	9208542	Journal of Supercomputing	76	6
2020	Engineering the novel MoSe <sub>2</sub> -Mo <sub>2</sub> C hybrid nanoarray electrodes for energy storage and water splitting applications	Vikraman D., Hussain S., Karuppasamy K., Feroze A., Kathalingam A., Sanmugam A., Chun S.-H., Jung J., Kim H.-S.	9263373	Applied Catalysis B: Environmental	264	
2020	Structure, morphology and opto-nonlinear behaviors of Nd:PbI <sub>2</sub> /FTO thin film system for optoelectronics	Khan Z.R., Shkir M., Khan A., Mariappan S.M., Balaji M., Sheikh M.R., AlFaify S.	12932558	Solid State Sciences	103	
2020	Synthesis of dimeric pyridinium bromide under silica supported approach	Tamilarasan R., Govindaraj S., Ganesan K.	397911	Synthetic Communications	50	8
2020	PSO-tuned support vector machine metamodels for assessment of turbulent flows in pipe bends	Narayanan G., Joshi M., Dutta P., Kalita K.	2644401	Engineering Computations (Swansea, Wales)	37	3

2020	FPGA based substantial power evolution controlling strategy for solar and wind forecasting grid connected system	Anand P., Mohana Sundaram K.	1419331	Microprocessors and Microsystems	74	
2020	A design and implementation of polling TDMA with a comparative analysis with time division multiple access for sporting application	Mustafa M.M., Parthasarathy V.	10220038	Wireless Networks	26	3
2020	Thermal and nonlinear optical properties of semiorganic single crystal: L-Threonine p-nitrophenolate (LTPNP)	Mahadevan V.M., Thangeeswari T., Parthipan G.	17578981	IOP Conference Series: Materials Science and Engineering	764	1
2020	Investigation on various construction material LECA, thermal insulated and conventional blocks	Nandhakumar R., Parthipan G., Thangeeswari T., Karthikraja S., Gangadurai B.	17578981	IOP Conference Series: Materials Science and Engineering	764	1
2020	Recent developments in D2D communication in cellular networks	Kumar M., Kavitha A.	19044720	Journal of Green Engineering	10	3
2020	A secure fuzzy extractor based biometric key authentication scheme for body sensor network in Internet of Medical Things	Mahendran R.K., Velusamy P.	1403664	Computer Communications	153	
2020	Influence of severe double shot peening on microstructure properties of Ti 6Al-4V and Titanium Grade 2 dissimilar joints using laser beam welding	Logesh M., Selvabharathi R., Thangeeswari T., Palani S.	303992	Optics and Laser Technology	123	
2020	Performance Evaluation of Depth Adjustment and Void Aware Pressure Routing (DA-VAPR) Protocol for Underwater Wireless Sensor Networks	Ganesh N.	104620	Computer Journal	63	2
2020	Enhancement of PEM fuel cell performance with direct active fuzzy sliding mode controller	Ali E.M., Boopathi A.M., Abudhahir A., Velappan S.		2020 Advances in Science and Engineering Technology International Conferences, ASET 2020		
2020	Predictive analysis on brain tissue segmentation and knowledge extraction with RS-FCM algorithm	Nehru V., Prabhu V.	22778616	International Journal of Scientific and Technology Research	9	2
2020	Texture classification using optimized local ternary patterns with nonlinear diffusion as pre-processing	Madasamy Raja G., Thaha M., Latha R., Karthikeyan A.	13807501	Multimedia Tools and Applications	79	5-6

2020	A novel approach for non-invasive measurement of mean arterial pressure using pulse transit time	Prabhu V., Kuppusamy P.G., Karthikeyan A., Sucharitha M.	13807501	Multimedia Tools and Applications	79	5-6
2020	TetraGrip—a four channel upper limb FES device for people with C5/C6 tetraplegia: device design and clinical outcome	Venugopalan L., Taylor P.N., Cobb J.E., Swain I.D.	3091902	Journal of Medical Engineering and Technology	44	1
2020	Integrated Mechanism on Online Academic Advising Service for Students through Education Cloud	Surendran R., Tamilvizhi T.	27324494	IET Conference Proceedings	2020	6
2020	Cloud of Medical Things (CoMT) based Smart Healthcare Framework for Resource Allocation	Surendran R., Tamilvizhi T.	27324494	IET Conference Proceedings	2020	6
2020	Time and Cost-Effective Recovery Mechanism for Unhealthy Resources in Proactive Fault Tolerance Framework	Tamilvizhi T., Surendran R.	27324494	IET Conference Proceedings	2020	6
2020	Experimental investigation to control HC, CO & NO <sub>x</sub> emissions from diesel engines using diesel oxidation catalyst	Nadanakumar V., Jenoris Muthiya S., Prudhvi T., Induja S., Sathyamurthy R., Dharmaraj V.	22147853	Materials Today: Proceedings	43	
2020	Analysis of mechanical properties of cold extruded Al 6061 TiB <sub>2</sub> MMCs and validated for finite element analysis	Gobalakrishnan B., Rajaravi C., Udhayakumar G., Lakshminarayanan P.R., Prabhu M.S.	22147853	Materials Today: Proceedings	43	
2020	Artificial Neural Network based SVPWM for Five Level Cascaded H-bridge Inverter fed Grid connected PV System	Palanisamy R., Mohana Sundram K., Selvakumar K., Boopathi C.S., Selvabharathi D., Vijayakumar V.	10641246	Journal of Intelligent and Fuzzy Systems	39	6
2020	Aerodynamic analysis of a popular automobile model with various add-on devices using computational fluid dynamics	Thiruchitrabalam M., Logesh M., Shanmugam D., Prabhakar M., Prakash S.	9753060	International Journal of Vehicle Structures and Systems	12	4
2020	On the nonsplit monophonic number of a graph	Mahendran M., Swathy G.	8353026	Journal of Combinatorial Mathematics and Combinatorial Computing	112	
2020	Effects of heat distribution during cold metal transfer arc welding on galvanized steel using volumetric heat source model	Selvamani S.T., Velmurugan S., Balasubramanian V., Palanikumar K.	22387854	Journal of Materials Research and Technology	9	5
2020	Enhancing the use of coal-fly ash in coarse aggregates concrete	Shanmugan S., Deepak V., Nagaraj J., Jangir D., Viyagula Jegan S., Palani S.	22147853	Materials Today: Proceedings	30	

2020	Trans membranous fetal movement and pressure sensing	Manikandan K., Shanmugan S., Ashishkumar R., Harish V.V., Jansi Rani T., Nishanthi T.	22147853	Materials Today: Proceedings	30	
2020	Pose and occlusion invariant face recognition system for video surveillance using extensive feature set	Yoganand A.V., Kavida A.C., Devi D.R.	17526418	International Journal of Biomedical Engineering and Technology	33	3
2020	Energy harvesting in cognitive networks using feasible channel selection assignment	Balasubramanian M., Rajamani V.	26662558	Recent Advances in Computer Science and Communications	13	2
2020	Extraction of Solar Module Parameters Using Jaya Optimization Algorithm	Anandhraj P., Mohana Sundaram K., Sanjeevikumar P., Holm-Nielsen J.B.	18653529	Green Energy and Technology		
2020	Detection and classification of 2D and 3D hyper spectral image using enhanced Harris corner detector	Pavithra S., Karthikeyan A., Anu P.M.	18951767	Scalable Computing	21	1
2020	A study to analyze enhancement techniques on sound quality for bone conduction and air conduction speech processing	Subbaiah P.V., Hima Deepthi V.	18951767	Scalable Computing	21	1
2020	Secured identity based cryptosystem approach for intelligent routing protocol in VANET	Karthikeyan A., Kuppusamy P.G., Amiri I.S.	18951767	Scalable Computing	21	1
2020	Secure and Traceable Medical Image Sharing Using Enigma in Cloud?	Manikandan R., Rengarajan A., Devibala C., Gayathri K., Malarvizhi T.	23674512	Lecture Notes on Data Engineering and Communications Technologies	35	
2020	MRI-Based Medical Image Enhancement Technique Using Particle Swarm Optimization	Sakthivel S., Prabhu V., Punidha R.	18761100	Lecture Notes in Electrical Engineering	626	
2020	Dual-Input Multioutput Using Non-Cloistered DC-DC Boost Converter	Sakthidhasan K., Mohana Sundaram K.	18761100	Lecture Notes in Electrical Engineering	626	
2020	Design and Development of Solar Photovoltaic System Using Single-Phase MLI	Prakash J., Gunalan K., Mohana Sundaram K.	18761100	Lecture Notes in Electrical Engineering	626	
2020	A Cost-Effective PV-Based Single-Stage Conversion System for Power Backup	Kavya Santhoshi B., Mohana Sundaram K.	18761100	Lecture Notes in Electrical Engineering	626	
2020	Infrared Thermal Sensor for a Low Cost and Non-invasive Detection of Skin Cancer	Noora Safrin A., Pooja B., Hema K., Padmapriya P., Narayanamurthy V., Samsuri F.	18761100	Lecture Notes in Electrical Engineering	632	
2020	Objective Edge Similarity Metric for denoising applications in MR images	Shanmugam A., Rukmani Devi S.	2085216	Biocybernetics and Biomedical Engineering	40	1

2020	Design and implementation of sign language translator using microtouch sensor	Nithyakalyani K., Ramkumar S., Manikandan K.	22778616	International Journal of Scientific and Technology Research	9	1
2020	Pressure regulation in proton exchange membrane fuel cell using direct active fuzzy non-linear controller	Mohamed Ali E.A., Manivanna Boopathi A., Abudhahir A., Velappan S.	2210142X	International Journal of Computing and Digital Systems	9	1
2020	Multiband Antenna with Indoor Applications Using Soft Computation Method	Kalaiaarasan K., Kavitha A., Swaminathan J.N.	21945357	Advances in Intelligent Systems and Computing	1039	
2020	A Novel Linear Collaborative Discriminant Regression Classification and L1 Norm Based Algorithm for On-Chip Realization of Uncontrolled Face Recognition	Swaminathan J.N., Kavitha A., Navaneethakrishnan R., Umamaheswari S., Marimuthu R.	21945357	Advances in Intelligent Systems and Computing	1039	
2020	Enhancing Spectrum Efficiency and Energy Harvesting Selection for Cognitive Using a Hybrid Technique	Balasubramanian M., Rajamani V., Puspha S.	23673370	Lecture Notes in Networks and Systems	98	
2019	Structural features of Novel 2,6-diarylpiperidin-4-ones derived from the methyl ether of raspberry ketone: Investigation through spectral, single crystal and DFT studies	Shanthi D., Rajeswari K., Udhaya Kumar C., Vidhyasagar T., Velayutham Pillai M.	222860	Journal of Molecular Structure	1198	
2019	Appraisal of Seawater Mixing Index in Coastal Aquifer of Karaikal, Southern India Using Geospatial Technology	Sivaranjani S., Ellappan V., Avinash Karthick L.	167622	Journal of the Geological Society of India	94	6
2019	Performance optimization in body sensor network using self calibration TDMA algorithm	Mustafa M.M., Parthasarathy V.	19350090	Applied Mathematics and Information Sciences	13	6
2019	Examination of healthcare diagnosis using Iot	Suguna M., Prakash D., Cynthia J.	22783075	International Journal of Innovative Technology and Exploring Engineering	9	1
2019	Cell-free DNA pattern identification and its classification using convolution neural network	Nithya P., Arthy P.S., Prabhu Kumar S.	22783075	International Journal of Innovative Technology and Exploring Engineering	9	1
2019	Design of manure spreader machine for agricultural farm field	Sengottaian K., Mohanrajhu N., Palani S., Jayabalan C.	22783075	International Journal of Innovative Technology and Exploring Engineering	9	1
2019	Printed text to voice communication for vision defect people using artificial intelligence	Prabhu V., Ruban Thomas D., Ashok S.	22778616	International Journal of Scientific and Technology Research	8	11



2019	Synthesis and antibacterial properties of novel ZnMn <sub>2</sub> O <sub>4</sub> -chitosan nanocomposites	Packirisamy R.G., Govindasamy C., Sanmugam A., Karuppasamy K., Kim H.-S., Vikraman D.	20794991	Nanomaterials	9	11
2019	Enrichment of optical, magnetic and photocatalytic properties in PVP capped CdO/SnO <sub>2</sub> nanocomposites synthesized by microwave irradiation method	Senthil S., Srinivasan S., Thangeeswari T., Ratchagar V.	9574522	Journal of Materials Science: Materials in Electronics	30	22
2019	Investigation of turbo decoding techniques based on lottery arbiter in 3D network on chip	Suaganthi M., Karthikeyan A., Kuppusamy P.G.	1419331	Microprocessors and Microsystems	71	
2019	Preparation and Characterization of Goat Hoof Keratin/Gelatin/Sodium Alginate Base Biofilm for Tissue Engineering Application	Kumar S.L., Anandhavelu S., Swathy M.	10584587	Integrated Ferroelectrics	202	1
2019	Design and performance analysis of QZSI implemented in grid integrated PV system	Santhoshi B.K., Sundaram K.M.	19044720	Journal of Green Engineering	9	3
2019	An integrated multiport Dc–Dc converter for renewable energy applications	Prakash D.	22498958	International Journal of Engineering and Advanced Technology	9	1
2019	Design of vehicle license monitoring system to control theft by using IOT	Akila S., Joseph D., Vidya K., Annapoorani P., Anantha Saravanan N.	22498958	International Journal of Engineering and Advanced Technology	9	1
2019	Design and development of arjun mbt tank engine control junction box using micro controller	Mani P.K., Rajagopal R., Shanmugapriyan J., Vijayalakshmi M.	22498958	International Journal of Engineering and Advanced Technology	9	1
2019	Iot based automatic accident vehicle location sharing systema smart emergency system	Vinod S., Kumar P.S., Vimal V.R.	22778616	International Journal of Scientific and Technology Research	8	10
2019	Smart glass for visual impaired people	Prabhu V., Ruban Thomas D., Senthil Kumar V.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	12
2019	Failure node detection and recovery in wireless sensor networks	John Justin Thangaraj S., Rajesh Khanna M., Balamanigandan R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	12
2019	An improved and efficient RSA based remote user authentication scheme using smart card for telecare medical systems	Ramesh S., Murali Bhaskaran V.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	12

2019	Consumer service number recognition using template matching algorithm for improvements in OCR based energy consumption billing	Karthick K., Ravindrakumar K.B., Manikandan R., Cristin R.	21852766	ICIC Express Letters, Part B: Applications	10	10
2019	Synthesis of novel Sn1-xZnxO-chitosan nanocomposites: Structural, morphological and luminescence properties and investigation of antibacterial properties	Packirisamy R.G., Govindasamy C., Sanmugam A., Venkatesan S., Kim H.-S., Vikraman D.	1418130	International Journal of Biological Macromolecules	138	
2019	Multifunctional behavior of POSS-reinforced imidazole core polyimide nanocomposites	Revathi R.K., Hariharan A., Prabunathan P., Srinivasan K., Alagar M.	1700839	Polymer Bulletin	76	10
2019	Issk-an integrated self service kiosk for health monitoring and management	Komal Kumar N., Bhavani R., Mohan A., Vigneswari D.	22778616	International Journal of Scientific and Technology Research	8	9
2019	Design of infrared radiation for best heat source performance in paint cure oven	Pandian A.S., Palani S., Selvam M., Vijayakumar D., Suresh K.	22773878	International Journal of Recent Technology and Engineering	8	3
2019	Mining of sequential patterns using directed graphs	Sabeen S., Arunadevi R., Kanisha B., Kesavan R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	11
2019	Condition monitoring in drilling operation based on vibration signals	John Stephen R., Thangeswari T., Palani S., Dinakaran D.	22773878	International Journal of Recent Technology and Engineering	8	3
2019	Serverless computing platform for big data storage	Annie Christina A., Kavitha A.R.	22773878	International Journal of Recent Technology and Engineering	8	3
2019	Consumption of Ion exchange resin waste in concrete	Dasarathy A.K., Tamil Selvi M., Leela D., Ponkumarilango S.	22773878	International Journal of Recent Technology and Engineering	8	3
2019	Designing of hybrid automatic solar charging system with power controller for switching power utilization	Ramkumar S., Vintha V.R., Rathi M., Padmaja N.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	11
2019	Relaxation and Viscosity Analysis on the Mixture of Anisole and Decyl Alcohol in Benzene at 303, 313, and 323 K	Parthipan G., Thangeeswari T.	360244	Russian Journal of Physical Chemistry A	93	9
2019	A multi objective Tabu particle swarm optimization for effective cluster head selection in WSN	Vijayalakshmi K., Anandan P.	13867857	Cluster Computing	22	
2019	An efficient PCA based pose and occlusion invariant face recognition system for video surveillance	Yoganand A.V., Kavida A.C., Rukmanidevi D.	13867857	Cluster Computing	22	

2019	Design of efficient wireless communication system with improved SER using different relay environment	Saravanan K., Kavida A.C., Bennet M.A.	13867857	Cluster Computing	22	
2019	A one-pot chemical route to prepare poly 4, 4'-diaminodiphenyl sulfone-zirconium dioxide/cerium dioxide hybrid nanocomposites for improved capacitance properties	Sanmugam A., Jeyaraman A.R., Venkatesan S., Paramasivam M., Kim H.-S., Vikraman D.	0167577X	Materials Letters	249	
2019	Analysis of parameters for improving Efficiency on Cognitive Cooperative Network	Ambhika C., Murukesh C., Seetharaman R.		Proceedings of the 2019 2nd International Conference on Power and Embedded Drive Control, ICPEDC 2019		
2019	Design and application of a fuzzy adaptive controlled permanent magnet synchronous motor drive employed in electric vehicle	Ravivarman S., Karuppiyah N., Shanmugapriyan J.	22773878	International Journal of Recent Technology and Engineering	8	2
2019	Relative retrieval efficiency analysis of local binary pattern variants in color images	Christiyana C.C., Rani J.M.S., Rajamani V.	22778616	International Journal of Scientific and Technology Research	8	8
2019	Clustering relatedbehaviour of users by the use of partitioningandparallel transaction reduction algorithm	Thavamani C., Rengarajan A.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Machining performance optimization for minimizing material losses by thickness variation method	Jayabalan C., Logesh M., Ramesh G., Selvam M., Palani S.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Municipal waste disposal strategy by fuzzy TOPSIS method	Ramachandran M., Fegade V., Ganesh N., Chaudhari M.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Challenges faced in the enterprise resource planning material management section when transitioning towards agile software development	Ganesh N., Narayanan R.C.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	2d to 3d conversion with combined texture features anddisparity mapping	Scintiaclarinda S., Nithya K., Muthuselvi S., Rengarajan A.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Micro controller based smart helmet by IR motion sensors	Vijayakumar D., Ramesh G., Jayabalan C., Palani S., Selvam M.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Improved ability multi keyword search system on cloud web server	Saravanan S., Danu R., Rajkumar V.S.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Development of pneumatic shock absorber by variable damping	Ramesh G., Jayabalan C., Selvam M., Palani S., Vijayakumar D.	22498958	International Journal of Engineering and Advanced Technology	8	6

2019	Collection of garbage using internet of things	Ganesh N., Narayanan R.C.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Brain tumor segmentation using normalized graph cuts	Nancy W., Celinekavida A.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Acoustic source localization and navigation robot	Arun Raghesh J.T., Vishnuvardhan Rao G., Saravanan K.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Microcontroller based book management system using near field communication and fingerprint with server technology	Rubanthomas D., Prabhu V., Bibin M.R.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Reducing down time for engine block washing machine	Selvam M., Palani S., Logesh M., Ramesh G., Jayabalan C.	22498958	International Journal of Engineering and Advanced Technology	8	6
2019	Scalable video streaming over wireless access networks	Leelavathy G., Joseph D.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10
2019	Personify educational assistance application for special children using deep learning	Sankara Gomathi S., Amutha A., Jayapraksan M.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10
2019	Brain tumour segmentation based on SFCM using back propagation neural network	Swetha P., Mohanram S.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10
2019	Traffic sign and obstacle detection in vehicular ad-hoc network (Vanet) using hog and haar classifier techniques	Rajasekaran T., Eswaran S., Rengarajan A., Ananthan T.V.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	10
2019	16- Layer PCB Channel Design with Minimum Crosstalk and Optimization of VIA and TDR Analysis	Kavitha A., Kaitepalli C.S., Swaminathan J.N., Ahemedali S.	9238174	Journal of Electronic Testing: Theory and Applications (JETTA)	35	4
2019	QoS aware trusted service discovery architecture for optimization in MANETs	Suchithra M., Ramakrishnan M.		ACM International Conference Proceeding Series		
2019	LabVIEW based non-invasive Single Channel Fetal Electrocardiogram Extraction	Suganthy M., Joy S.I., Sarala B.		2019 IEEE 1st International Conference on Energy, Systems and Information Processing, ICESIP 2019		
2019	Intelligent learning system using data mining-ilsdm	Kavitha M., Suganthy M., Srinivasan R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	9
2019	Comprehensive learning on characteristics, applications, issues and limitations of manets	John Justin Thangaraj S., Rengarajan A., Selvanayaki S.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	9

2019	Cervical cell segmentation from overlapped cells using fuzzy C-means clustering	Prianka R.R., Celine Kavitha A.	22773878	International Journal of Recent Technology and Engineering	8	2
2019	Efficient scheduling for multi-block updates in erasure coding based storage systems	Jasmine A., Panneerselvam G.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	9
2019	Active safety with traffic sign recognition system in vehicular ad-hoc network (Vanet) using classifier techniques	Rajasekaran T., Eswaran S., Rengarajan A., Ananthan T.V.	22773878	International Journal of Recent Technology and Engineering	8	2
2019	Applying of a company's stock price prediction using data mining	Muthuselvi S., Rengarajan A., Scinthiaclarinda S., Nithya K.	22773878	International Journal of Recent Technology and Engineering	8	2
2019	Scrum based scaling using agile method to test software projects and its future solutions using in artificial neural networks	Hariharan S., Rengarajan A., Prem Kumar R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	9
2019	Optimizing Wear Behavior of Epoxy Composites Using Response Surface Methodology and Artificial Neural Networks	Satish Kumar D., Rajmohan M.	2728397	Polymer Composites	40	7
2019	Shape- and size-tunable synthesis of tin sulfide thin films for energy applications by electrodeposition	Vikraman D., Thiagarajan S., Karuppasamy K., Sanmugam A., Choi J.-H., Prasanna K., Maiyalagan T., Thaiyan M., Kim H.-S.	1694332	Applied Surface Science	479	
2019	Theoretical insights on e-government and global trends in e-governance technologies & applications	Ganesh N., Premkumar B., Priya K.	22498958	International Journal of Engineering and Advanced Technology	8	5
2019	Basics of business model, emerging fintech & case insights on gojek business model	Priya K., Ganesh N., Balaraman P.	22498958	International Journal of Engineering and Advanced Technology	8	5
2019	Multilevel secured finger print payment system simulation using android	Ganesh N., Narayanan R.C.	22773878	International Journal of Recent Technology and Engineering	8	1
2019	Flower pollination algorithm based optimal placement of nano coolant in induction motor	Shanmugapriyan J., Srikrishnakumar S., Sugavanam K.R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8 S
2019	Analysis of electro chemical micro machining process parameters by taguchi orthogonal array	Palani S., Iruthayaraj R., Vijayakumar D., Selvam M., Paul Linga Prakash R.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8
2019	Classification of microscopic cervical cancer images using regional features and HSI model	Robert P., Celine Kavida A.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8

2019	Design development and performance improvement of heavy duty vertical turning lathe machine tool	Rajaravi C., Palani S., Yogesh P., Suresh K., Selvam M.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8
2019	Rules based text analysis to monitor and control multiparty access in online social networks	Prem Kumar R., Rengarajan A., Hariharan S.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8
2019	Surveillance camera with GCM technology	Rajesh Khanna M.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8
2019	An investigation on performance assessment of renewable energy systems	Joseph D., Katta P., Uthayakumar J., Mohammed Ovaiz A.	22783075	International Journal of Innovative Technology and Exploring Engineering	8	8
2019	Trust factor based key distribution protocol in hybrid cloud environment	Velliangiri S., Rajagopal R., Karthikeyan P.	18951767	Scalable Computing	20	2
2019	Analysis of optical properties and mode distribution of Ag-Si photonic crystal	Muruganantham P., Revathy V., Vinoth Kumar K., Manikandan V., Yuvaraj S.A., Kuppusamy P.G.	22113797	Results in Physics	13	
2019	Influence of high-velocity oxygen fuel spraying and plasma nitriding on microstructure properties of iron-nickel-chromium alloy using hybrid surface heat treatment	Ganapathy Srinivasan R., Selvabharathi R., Palani S., Karuppasamy R.	20531591	Materials Research Express	6	8
2019	Impact of rare earth (Dy and Yb) ions doping on magnetic and optical properties of ZnO nanoparticles	Thangeeswari T., Parthipan G., Gowtham S.	0094243X	AIP Conference Proceedings	2105	
2019	Analyzes of mouth cancer using max-min composition in soft computing	Jothikumar R., Siva Shanmugam G., Nagarajan M., Premkumar S., Asokan A.	22783091	International Journal of Advanced Trends in Computer Science and Engineering	8	3
2019	Steps involved in text recognition and recent research in OCR; A study	Karthick K., Ravindrakumar K.B., Francis R., Ilankannan S.	22773878	International Journal of Recent Technology and Engineering	8	1
2019	Characterization of defects on ferromagnetic tubes using magnetic flux leakage	Suresh V., Abudhahir A., Daniel J.	189464	IEEE Transactions on Magnetics	55	5
2019	Design of flexible textile antenna using FR4, jeans cotton and teflon substrates	Kavitha A., Swaminathan J.N.	9467076	Microsystem Technologies	25	4
2019	Direct active fuzzy non-linear controller for pressure regulation in PEM fuel cell	Mohamed A.E.A., Manivanna B.A., Abudhahir A., Velappan S.		2019 8th International Conference on Modeling Simulation and Applied Optimization, ICMSAO 2019		

2019	One-pot facile methodology to synthesize MoS <sub>2</sub> -graphene hybrid nanocomposites for supercapacitors with improved electrochemical capacitance	Vikraman D., Karuppasamy K., Hussain S., Kathalingam A., Sanmugam A., Jung J., Kim H.-S.	13598368	Composites Part B: Engineering	161	
2019	Analysis of R - PEAKS in Fetal Electrocardiogram to Detect Heart Disorder using Fuzzy Clustering	Suganthy M., Immaculate Joy S.		2019 IEEE 5th International Conference for Convergence in Technology, I2CT 2019		
2019	Machine Learning Tree Classifiers in Predicting Diabetes Mellitus	Vigneswari D., Kumar N.K., Ganesh Raj V., Gudan A., Vikash S.R.		2019 5th International Conference on Advanced Computing and Communication Systems, ICACCS 2019		
2019	Automatic detection of abnormalities in retinal blood vessels using dtcwt, glcm feature extractor and cnn-rnn classifier	Muthusamy R.P., Vinod S., Tholkapiyan M.	22773878	International Journal of Recent Technology and Engineering	7	6
2019	A customized nonlocal restoration scheme with adaptive strength of smoothing for magnetic resonance images	Kuppusamy P.G., Jayaraman S., Joseph J.	17468094	Biomedical Signal Processing and Control	49	
2019	Schiff base rare earth metal complexes: Studies on functional, optical and thermal properties and assessment of antibacterial activity	Andiappan K., Sanmugam A., Deivanayagam E., Karuppasamy K., Kim H.-S., Vikraman D.	1418130	International Journal of Biological Macromolecules	124	
2019	Enhancement of SNR in fetal ECG signal extraction using combined SWT and WLSR in parallel EKF	Suganthy M., Manjula S.	13867857	Cluster Computing	22	
2019	Analysis of optical sensitivity of analytes in aqua solutions	Suganthy M., Paul B.K., Ahmed K., Islam M.I., Jabin M.A., Bahar A.N., Mani Rajan M.S.	304026	Optik	178	
2019	Synthesis and studies on phosphazene core-based POSS-reinforced polyimide nanocomposites	Revathi R., Prabunathan P., Alagar M.	1700839	Polymer Bulletin	76	1
2019	Design and implement a cross layer verification framework (CLVF) for detecting and preventing blackhole and wormhole attack in wireless ad-hoc networks for cloud environment	Jagadeesan S., Parthasarathy V.	13867857	Cluster Computing	22	

2019	Study and evaluation of cold joining on metals and non metals combinations (ss, al, acr) using polymer based adhesive	Valasamudram V., Sairam K., Dinesh Gopal R., Sridhar K.	22147853	Materials Today: Proceedings	27	
2019	Effect of pouring temperature on cast Al/SiCp and Al/TiB2 metal matrix composites	Rajaravi C., Gobalakrishnan B., Lakshminarayanan P.R.	3348938	Journal of the Mechanical Behavior of Materials	28	1
2019	Fuzzy based approach for direct torque control of three phase induction motor	Ravindrakumar K.B., Karthick K., Sivanandakumar D., Sivarajan S.	22778616	International Journal of Scientific and Technology Research	8	10
2019	An obstacle detection and distance sensing algorithm for visually impaired persons	Nachiar T.S., Arunachalam M., Hemalatha P.R., Aghila R., Subhalakshmi R.T.	22778616	International Journal of Scientific and Technology Research	8	10
2019	Effect of water flow in a solar still using novel materials	Suresh C., Shanmugan S.	13886150	Journal of Thermal Analysis and Calorimetry		
2019	GLCM-based detection and classification of microaneurysm in diabetic retinopathy fundus images	Dhiravidachelvi E., Rajamani V., Manimegalai C.T.	17550386	International Journal of Advanced Intelligence Paradigms	14	1-2
2019	Fuzzy interference treatment applied to energy control with effect of box type affordable solar cooker	Bhavani S., Shanmugan S., Selvaraju P., Monisha C., Suganya V.	22147853	Materials Today: Proceedings	18	
2019	Experimental analysis of energy and environment redeemable in solar nano-basin still to improve sullage water natural treatment of fuzzy application	Suresh C., Shanmugan S., Bharath M.V., Naveen B., Chithambaram V.	22147853	Materials Today: Proceedings	18	
2019	Energy and environment control to box type solar cooker and nanoparticles mixed bar plate coating with effect of thermal image cooking pot	Palanikumar G., Shanmugan S., Janarthanan B., Sangavi R., Geethanjali P.	22147853	Materials Today: Proceedings	18	
2019	Tuning the band gap of hybrid lead free defect perovskite nano crystals for solar cell applications	Ganesan R., Vinodhini S.P., Balasubramani V., Parthipan G., Sridhar T.M., Arulmozhi R., Muralidharan R.	11440546	New Journal of Chemistry	43	38
2019	Mechanical behaviour of silicon carbide-fly ash hybrid Aluminium alloy composites subjected to age hardening	Muthukumar S.	9753060	International Journal of Vehicle Structures and Systems	11	2
2019	Some studies on waste animal tallow biodiesel produced by modified transesterification method using heterogeneous catalyst	Hariprasath P., Vijayakumar V., Selvamani S.T., Vigneshwar M., Palanikumar K.	22147853	Materials Today: Proceedings	16	



2019	Sensitivity analysis of friction stir welded aluminum based high strength metal matrix composite joints	Dilip Raja N., Selvamani S.T., Vigneshwar M., Palanikumar K., Velu R.	22147853	Materials Today: Proceedings	16	
2019	Enhancing the fatigue properties of friction welded AISI 1020 grade steel joints using post weld heat treatment process in optimized condition	Selvamani S.T., Vigneshwar M., Nikhil M., Hariharan S.J., Palanikumar K.	22147853	Materials Today: Proceedings	16	
2019	Some studies on tribological behavior of friction welded hybrid metal matrix nanocomposites	Vigneshwar M., Selvamani S.T., Nikhil M., Palanikumar K.	22147853	Materials Today: Proceedings	16	
2019	Developing an empirical relationship to predict maximum strength on friction stir welded (MG+ CNT) nanocomposites	Prem Kumar S., Selvamani S.T., Vigneshwar M., Palanikumar K.	22147853	Materials Today: Proceedings	16	
2019	Optimizing the plasma arc welding process parameters to attain the minimum corrosion rate in the AISI 409M grade ferritic stainless steel autogenous joints	Hariharan S.J., Vigneshwar M., Selvamani S.T., Shanmugam K., Palanikumar K.	22147853	Materials Today: Proceedings	16	
2019	Comparative analysis of cashew and canola oil biodiesel with homogeneous catalyst by transesterification method	Hariprasath P., Selvamani S.T., Vigneshwar M., Palanikumar K., Jayaperumal D.	22147853	Materials Today: Proceedings	16	
2019	A novel approach for joining armor grade AA7075 metal matrix nano composites using various welding processes	Vigneshwar M., Selvamani S.T., Tarun K., Palanikumar K.	22147853	Materials Today: Proceedings	16	
2019	Analysis and ideas for improved routing in MANET	Josh Kumar J.P., Kathirvel A.	18657923	International Journal of Interactive Mobile Technologies	13	4
2019	Wavelet based pseudo color scaling for optimizing wear behavior of epoxy composites	Dharmalingam S.K., Murugesan R.	255300	Materialpruefung/Materials Testing	61	4
2019	Antagonistic activity of an epibiotic Bacillus strain SG3 from Gorgonian coral, Junceella juncea (Pallas, 1766)	Thangapaul A.J., Mark Praveevn M., Chinnachamy C.	1011601X	Pakistan Journal of Pharmaceutical Sciences	32	3
2019	Reducing redundant transmission in a vehicular ad hoc network through inbroadcast technique	Newbegin M., Rengarajan A.	1943023X	Journal of Advanced Research in Dynamical and Control Systems	11	6

2019	Privacy preserving of intermediate dataset using hybridisation of oppositional gravitational search algorithm and elliptic curve cryptography	Saravanan S., Venkatachalam V.	17460972	International Journal of Business Information Systems	31	2
2019	Extraction of Solar PV Module Parameters Using Back Search Optimization Algorithm	Anandhraj P., Mohana Sundaram K.	18761100	Lecture Notes in Electrical Engineering	553	
2019	Critical review of PV grid-tied inverters	Santhoshi B.K., Sundaram K.M., Padmanaban S., Holm-Nielsen J.B., Prabhakaran K.K.	19961073	Energies	12	10
2019	Fuzzy based hybrid incorporating wind solar energy source by reduced harmonics	Ramya K.C., Vinoth Kumar K., Irfan M., Mesforush S., Mohanasundaram K., Vijayakumar V.	10641246	Journal of Intelligent and Fuzzy Systems	36	5
2019	Tricore photonic crystal fibre based refractive index sensor for glucose detection	Natesan A., Kuppusamy P.G., Gopal T.R., Dhasarathan V., Aly A.H.	17518768	IET Optoelectronics	13	3