

Department of Electronics and communication Engineering

Consolidated Count – Publications

2021-2022

	Science Citation Index Expanded (SCIE)	Scopus Journals	Scopus Conferences
Total	16	0	5
Grand Total	21		

Department of Electronics and communication Engineering

Consolidation count Publications

2022-2023

	Science Citation Index Expanded (SCIE)	Scopus Journals	Scopus Conferences
Total	39	8	96
Grand Total	143		

Department of Electronics and communication Engineering

Consolidation Count Publications

2023-2024

	Science Citation Index Expanded (SCIE)	Scopus Journals	Scopus Conferences
Total	62	24	109
Grand Total	195		

Department of Electronics and communication Engineering

Consolidation count Publications

2024-2025 (till March)

	Science Citation Index Expanded (SCIE)	Scopus Journals	Scopus Conferences
Total	71	28	127
Grand Total	226		

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2021-22
Web of Science- SCI

S.No	Authors	Title Of The Paper	Journal	Publisher	Issn/ Isbn	Doi No.	I.F.	Vol	Issue	Page	Year
1	Dr.S.Dhandapani	Impact Of Hybridized Rider Optimization With Cuckoo Search	International Journal Of Communication Systems	Wiley	1099-1131	Doi.Org/10.1002/T	2.29	34	16	4954	2021
2	A.K.Shrivastav	Integration Of Dual Function Array With Nested Slot Radiator For Mimo Applications	International Journal Of RF And Microwave Computer Aided Engineering	Wiley	1099-047x	Doi.Org/10.1002/Mmce.22781	1.694	31	9	22781	2021
3	Dr.Beulah Jackson	Massive Mimo Codebook Design Using Gaussian Mixture Model Based Clustering	Intelligent Automation And Soft Computing	Tech Science Press	2326-005x	Doi:10.32604/Iasc.2022.021779	1.647	32	1	361-375	2021
4	Dr. S. Praveen Kumar	Simulation And Investigation Of Mems Bilayer Solar Energy Harvester For Smart Wireless Sensor Applications	Sustainable Energy Technologies And Assessments,	Elsevier	2213-1388	https://doi.org/10.1016/j.seta.2022.102102	7.1	52	Part B	102102	2022
5	Dr. S.Asha	Hybrid Renewable Power Generation For Modelling And Controlling The Battery Storage Photovoltaic System	International Journal Of Photoenergy	Hindawi	1687-529x	https://doi.org/10.1155/2022/9491808	2.1	2022	1	9491808	2022
6	M.Vanitha	Performance Analysis And Throughput Enhancement Of The Stet Technique For Wlan Ieee 802.11ad	International Journal Of Computer Systems Science And Engineering	Tech Science P	0267-6192	Doi:10.32604/Css.e.2022.017663	1.486	40	2	571-579	2021
7	Dr. V. Samuthira Pandi	Generation Of Multiple Signals Using Single Photonic Structure At Visible Regime: A Proposal To Realize The Harmonic Generation	Journal Of Optical And Quantum Electronics	Springer	0306-8919	Doi.Org/10.1007/S11082-021-03090-9	2.084	53	8	1- 13	2021
8	Dr. Kumaran.S	Investigations On Spectroscopic, Admet Properties And Drug-Likeness, Molecular Docking, Chemical Properties Of (2e)-3-(Biphenyl-4-Yl)-1-(2,4-Dichlorophenyl)-Prop-2-En-1-One By Combined Density-Functional Theory	Journal Of Molecular Structure,	Elsevier	0022-2860	https://doi.org/10.1016/j.molstruc.2022.132973	4	1262	NA	132973	2022
9	R.Vinod Kumar, M.Vanitha, M.Bindhu	Multiband Miniaturise frequency Reconfigurable Patch Antenna Using Pin Diodes	Journal Of Wireless Networks, Published By Springer	Springer	1022-0038	https://doi.org/10.1007/s11276-022-02946-6	2.1	28	NA	2485-2497	2022
10	R Vinodkumar	Exploration Of Lpsr Based Refractive Index Sensor Coated With Silver Mgf2 Layer	Plasminics	Springer		https://doi.org/10.1007/s11468-022-01767-9	3.3	18	NA	271–282	2023
11	R.Vinod Kumar	Lifetime Maximization Energy-Aware Routing Protocol For Route Optimization To Improve Quality Of Service In Wireless Sensor Networks	Journal Of Computational Intelligence	Springer Nature	0824-7935	doi:10.1111/coin.12485	2.5	40	3	1-8	2022
12	Dr.P.Baraneedharan	Fe203/Grapheme Nanocomposites As Heterogeneous Fenton Catalysts: Correlation Studies On Catalyst Dosage, Grapheme Loading And Adsorption Kinetics Mono Methylene Blue Degradation	MRS Communication	Springer	2159-6867	Doi.Org/10.1557/S43579-021-00116-X	2.5	11	6	943-949	2021
13	Dr. P. Baraneedharan	Facile Synthesis Of Rgo@ Co Nanocomposites Electrode Material For Photocatalytic Hydrogen Generation And Supercapacitor Applications	Inorganic Chemistry Communications,	Elsevier	1387-7003	https://doi.org/10.1016/j.inoche.2022.109345	4.4	139	NA	109345	2022
14	Dr. P. Baraneedharan	Advances In Preparation, Mechanism And Applications Of Various Carbon Materials In Environmental Applications: A Review	Chemosphere,	Elsevier	0045-6535	https://doi.org/10.1016/j.chemosphere.2022.134596	8.1	300	NA	134596	2022

15	Ms. P.R. Buvaneswari	Detection And Classification Of Alzheimer's Disease From Cognitive Impairment With Resting-State Fmri	Neural Computing And Applications,	Springer	0941-0643	https://doi.org/10.1007/S00521-021-06436-2	4.5	35	4	22797-22812	2022
16	Ms. P.R. Buvaneswari	Deep Learning-Based Segmentation In Classification Of Alzheimer's Disease	Arabian Journal Of Science And Engineering,	Springer	2193-567x	https://doi.org/10.1007/S13369-020-05193-Z	2.6	46	NA	5373-5383	2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2021-22
SCOPUS-Conference

Sl. N	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F.	Vol	Issue	Page	Year
1	S.Praveen Kumar	Artificial intelligence-Based Automation system for health care applications: Medbot	Soft Computing for Security Applications	Springer conference	978-981-16-5301-8	doi.org/10.1007/978-981-16-5301-8_14	NA	NA	NA	191-203	2021
2	S.Asha	Energetic improvement of smart healthcare system using internet of things	Journal of Materials today: Proceedings	Elsevier	2214-7853	doi.org/10.1016/j.matpr.2021.03.619	1.24	47	1	63-69	2021
3	M.Vanitha	Metaheuristic Optimization Enabled Unequal Clustering With routing Techinque	IEEE XPLORE	IEEE	978-1-6654-8425-1	DOI:10.1109/ICEARS53579.2022.9752312	0	NA	NA	800-806	2022
4	M.Vanitha	A Novel Channel Estimation Scheme for MIMO- OFDM System based on CDD	IEEE XPLORE	IEEE	978-1-6654-0837-0	DOI:10.1109/ICICT54344.2022.9850760	0	NA	NA	747-753	2022
5	V. Gomathi	A novel UWB microstrip patch antenna des for cardio activity monitoring application	Journal of Materials today: Proceedings	Elsevier	2214-7853	doi.org/10.1016/j.matpr.2021.04.511	1.24	47	1	340-344	2021



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2022-23 - Science Citation Index Journal Publications

S.No	Authors	Title Of The Paper	Journal	Publisher	ISSN/ ISBN	DOI No.	I.F	Vol	Issue	Page	Year
1	Srigitha S Nath, Dr Elakkiya A	A Single Layer Fss For S-, C-, X , Ku And K Band Applications	Materiala In Technologies	Inst Za Kovinske Materiale I In	1580-2949	https://doi.org/10.17222/mit.2022.710	NA	57	1	85-90	2023
2	Srigitha S. Nath	Artificial Intelligence-Based Remote Monitoring System For Automated Anomaly Detection In Wireless Sensor Networks	Concurrency Computation: Practice And Experience	Wiley Online	1532 - 0634	http://dx.doi.org/10.1002/cpe.7462	3	35	2	E7462	2023
3	Srigitha S. Nath	On Reducing Energy Cost Consumption In Heterogeneous Cellular Networks Using Optimal Time Constraint Algorithm	Optik – International Journal For Light And Electron Optics	Elsevier	0030 - 4026	https://doi.org/10.1016/j.ijleo.2022.170008	7	270	NA	170008	2022
4	Srigitha S. Nath	Block Chain Based Security And Privacy Framework For Point Of Care Health Care Iot Devices	Soft Computing	Springer	1432-7643	https://doi.org/10.1007/s00500-023-07932-4	3	23	4	1-12	2023
5	Dr Srigitha S Nath	A study of deep learning techniques for predicting breast cancer types	Soft Computing	Wiley	1432-7643	http://dx.doi.org/10.1007/s00500-023-08245-2	3	28	NA	541-546	2023
6	S. Dhandapani	Sncdm: SpiNAI Tumor Detection From Mri Images Using Optimized Super-Pixel Segmentation	Intelligent Automation And Soft Computing	Tech Science Press	2326-005X	doi: 10.32604/iasc.2023.031202	2	36	1	1899-1913.	2023
7	S. Dhandapani	IPFS Based Storage Authentication And Access Control Model With Optimization ENabled Deep Learning For Intrusion Detection	Advances In Engineering Software,	Elsevier	0965-9978	https://doi.org/10.1016/j.advensoft.2022.103369	4	176	NA	103369	2023
8	S. Dhandapani	IPFS Based File Storage Access Control And Authentication Model For Secure Data Transfer Using Block Chain Technique	Concurrency Computation Practice And Experience	Wiley Online	1532-0634	doi: 10.1002/cpe.7485	2	35	2	E7485	2023
9	S. Dhandapani	Heartbeat And Respiration Rate Prediction Using Combined Photoplethysmography And Ballisto Cardiography	Intelligent Automation And Soft Computing	Tech Science Press	1079-8587	doi: 10.32604/iasc.2023.032155	2	36	2	P. 1365-138	2023
10	Beulah Jackson	Modified Design Structure Of A Metamaterial Microstrip Patch Array Antenna For Rf Energy Optimization	Journal Of Materials And Technology	Elsevier	1580-2949	https://doi.org/10.17222/mit.2022.384	1	56	2	85-241	2022
11	Praveen Kumar,S. kanya, D.Lingaraja, Dinesh Ram.G	A Short Review Of Spiral Microfluidic Devices With Distinct Cross-Sectional Geometries	Microfluidics And Nanofluidics	Springer	1613-4982	https://doi.org/10.1007/s10404-022-02593-5	2	26	12	NA	2023

12	S Praveen Kumar, T Aravind	Generation Of Electric Effect By Utilizing Piezoelectric Effect	Materials Today - Proceedings	Elsevier	2214-7853	https://doi.org/10.1016/j.matpr.2023.01.027	3	NA	NA	1-12	2023
13	S Praveen Kumar	Experimental Investigation Of Influence Of Electrolytic Solution In Porous Silicon Formation For Solar Energy Conversion	Silicon	Springer	1876-990x	https://doi.org/10.1007/s12633-023-02305-w	3	15	NA	3855-3862	2023
14	Indhumathi.K	A Sample Approach Of Cqds@Mos2 Nanosheets Sensor For Detection Of Pb2+ Ions	Key Engineering Materials		1662-9795	https://doi.org/10.4028/p-60533s	NA	928	NA	33-38	2022
15	Indhumathi.K	Magnetic Nanoparticle-Based Biosensors For The Sensitive And Selective Detection Of Urine Glucose	Advances In Science And Technology	Materials Science & Engineering	1662-0356	https://doi.org/10.4028/p-45cyly	NA	117	NA	79-84	2023
16	Indhumathi.K	Cocos Nucifera Husk Biocarbon And Fes ₃ On Emi Shielding Behavior Of Pva Composites	Biomass Conversion And Biorefinery	Springer	2190-6815	https://doi.org/10.1007/s13399-022-03475-0	4	14	NA	14803-1484	2023
17	M.Vanitha	Enhanced Elman Spike Neural Network Based Intrusion Attack Detection In Software Defined Internet Of Things Network	Concurrency Computation Practice And Experience	Wiley Online	1532-0634	doi: 10.1002/cpe.7503	2	35	2	E7503	2023
18	M.Vanitha	Dual-Channel Capsule Generation Adversarial Network Based Blockchain Technology For A Secured DyNamic Optimal Routing In Mobile Ad Hoc Network	Transactions On Emerging Telecommunications Technologies	Wiley Online	2161-3915	doi: 10.1002/ett.4692	3	34	2	E4692	2023
19	M.Vanitha	Design Criteria For Enhanced Energy Constraint Mac Protocol For Wsn	Measurement Sensor	Elsevier	2665-9174	https://doi.org/10.1016/j.measen.2022.100642	5	25	9	100642	2023
20	T.Aravind	Study Of Progress On NANocrystalline Cellulose And NATural Fiber Reinforcement Biocomposites	Journal Of Nanomaterials	Wiley Online	1687 - 4110	https://doi.org/10.1155/2022/6519480	NA	2022	1	6519480	2023
21	Kumaran.S	The Chemical Reactivity And Antimalarial Investigation Of Crystal Structure (2e)-3-(Biphenyl-4-Yl)-1-(4-Chlorophenyl)Prop-2-En-1-One And Hydroxyphenyl, Nitrophenyl Substituted Chalcone Derivative Molecules	JourNAl Of Molecular Structure,	Elsevier	0022-2860	https://doi.org/10.1016/j.molstruc.2023.135001	4	1280	NA	135001	2023
22	Raji Pandurangan	A Novel Hybrid Machine Learning Approach For Traffic Sign Detection Using Cnn-Grnn	JourNAl Of Intelligence & Fuzzy Systems	IOP	1064-1246	doi:10.3233/jifs-221720	2	44	1	1283-1303	2023
23	R.Vinod Kumar	Regenerative Charging Technique For Electrical Vehicles	International Journal Of Recent Technology And Engineering (IJRTE)	Blue Eyes Intelligence	2277-3878	doi: 10.35940/ijrte.e7390.0111523	NA	11	5	46-52	2023

24	R.Vinod Kumar	Lifetime Maximization Energy-Aware Routing Protocol For Route Optimization To Improve Quality Of Service In Wireless Sensor Networks	Journal Of Computational Intelligence	Springer Nature	0824-7935	doi:10.1111/coin.12485	3	40	3	1-8	2022
25	R.Vinod Kumar, M.Vanitha, M.Bindhu	Multiband Miniaturise frequency Reconfigurable Patch Antenna Using Pin Diodes	Journal Of Wireless Networks, Published By Springer	Springer	1022-0038	https://doi.org/10.1007/s11276-022-02946-6	2	28	NA	2485-2497	2022
26	R Vinodkumar	Exploration Of Lpsr Based Refractive Index Sensor Coated With Silver Mgf2 Layer	Plasminics	Springer		https://doi.org/10.1007/s11468-022-01767-9	3	18	NA	271-282	2023
27	Amit Kumar Varshney	Metamaterial Assisted Microwave Tubes: A Review	Electromagnetic Waves And Applications	Taylor And Francis	0920-5071	https://doi.org/10.1080/09205071.2021.2016499	1	36	9	1189-1211	2023
28	J.Jeffin Gracewell	Content Deduplication With Granularity Tweak Based On Base And Deviation For Large Text Dataset	Scientific Programming	Wiley Online	1058-9244	https://doi.org/10.1155/2022/9515181	2	2022	1	9515181	2023
29	P Vinayagam	Deep learning based compression with classification model on CMOS Image sensors	Traitement Du Signal INTERNATIONAL JOURNAL OF	Int Information & Engineering Technology	0765-0019	https://doi.org/10.18280/ts.400332	1	40	3	1163-1170	2023
30	K.Mahendran	Optically Transparent Triple And Dual Band Terahertz Metamaterial Absorber Based On Indium Tin Oxide And Pet Substrate	Electronics And Communications,	Elsevier	1434-8411	https://doi.org/10.21203/rs.3.rs-2271132/v1	3	2023	NA	154543	2023
31	K.Sakthi	Minimizing Subtle Errors In Computing Information Of Tcam By Partial “N” Search Key Implementation	International Journal Of Uncertainty, Fuzziness And On Smart Structures And Systems	International Journal Of Uncertainty, Fuzziness And	0218-4885	https://doi.org/10.1142/so218488522400098	1	30	1	169-184	2022
32	A.Elakkiya	Terahertz Metamaterial Absorber Based On Single Pattern Pentagon Shaped Resonator For High Q Sensing	Journal Of Optoelectronics And Advanced Materials		1454-4164	https://joam.inoe.ro/articles/terahertz-metamaterial-absorber-based-on-single-pattern-	NA	24	5-6	211-220	2022
33	A.Elakkiya	Terahertz- Seventeen -Band Metamaterial Absorber Based On Sunflower Inspired Structure	Journal Of Optoelectronics And Advanced Material		1454-4164	https://joam.inoe.ro/articles/terahertz-seventeen-band-metamaterial-absorber-based-	1	NA	NA	1-12	2023
34	S. Imran Hussain	Thermal Performance Of Cement Mortar Embedded With Microencapsulated Phase Change Materials In Indian Subcontinental Climatic Conditions	Thermal Analysis And Calorimetry, Published By Springer	Springer	1388-6150	https://doi.org/10.1007/s10973-022-11594-z	3	147	NA	14057-14066	2022
35	S Imran Hussain	Performance Evaluation Of Various Fiber Paper Matrix Dessicant Wheels Coated With Nano Adsorbant For Energy Efficient Dehumidification	International Journal Of Refrigeration	Elsevier	0140-7007	https://doi.org/10.1016/j.ijrefrig.2022.12.002	4	146	NA	416-429	2023

36	Varun	Intelligent Spectrum Sensing Using Optimized Machine Learning Algorithms For Cognitive Radio In 5G Communication	Journal Of Internet Technology	SCImago	1607-9264	doi: 10.53106/160792642022072304017	1	23	4	827-836	2022
37	Ms. S. Immaculate Joy	Review on advent of Artificial Intelligence in Electrocardiogram for the detection of Extra- cardiac and Cardio-vascular disease	IEEE Canadian Journal Of Electrical And Computer Engineering	IEEE Canada , Universite Laval, Dept	2694-1783	DOI: 10.1109/ICJECE.2022.3228588	2	46	2	99-106	2023
38	S.Asha	A Feasible Multimodal Photoacoustic Imaging Approach For Evaluating The Clinical Symptoms Of Inflammatory Arthritis	Biomed Research InterNatioNAl,	Hindawi	2314-6133	https://doi.org/10.1155/2022/7358575	3	2022	1	1-12	2023
39	S.Navaneethan	Recurrent Neural Model To ANALyze The Effect Of Physical Training And Treatment In Relation To Sports Injuries	ComputatioNAl Intelligence And Neuroscience, Published By Hindawi	Hindawi	1687-5265	https://doi.org/10.1155/2022/1359714	NA	2022	1	1359714	2022

ACADEMIC YEAR 2022-2023 -SCOPUS-JOURNAL

S.NO	Authors	Title of the paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F	Vol	Issue	Page	Year
1	Dr R Jennie Bharathi	IOT based Energy Meter with Smart Monitoring of Home Appliances	Journal of Xi'an Shiyou University, Natural Science Edition	Journal of Xi'an Shiyou University	1673-064x	https://www.xisdxj.xsu.asia/V19I02-104.pdf	0.96	19	2	1261-1266	2023
2	Dr R Jennie Bharathi	Zebra Line Detection and Speed Controller System Using Raspberry Pi Pico & ESP32	Journal of Xi'an Shiyou University, Natural Science Edition	Journal of Xi'an Shiyou University	1673-064x	https://www.xisdxj.xsu.asia/V19I02-103.pdf	0.96	9	2	1256-1260	2023
3	Dr R Jennie Bharathi	Performance evaluation of energy efficient optimized routing protocol for WBAN using PSO protocol	International Journal on Recent and Innovation Trends in Computing and Communication	Scopus	2321-8169	https://doi.org/10.17762/ijritcc.v1i14s.6214	0	NA	NA	375-379,	2022
4	Dr J Jeffin Gracewell	Deep featured adaptive dense net convolutional neural network based cardiac risk prediction in Big data healthcare environment	Int J On Recent And Innovation Trends In Computing And Communication	Auricle Global Society of Education and Research	2321-8169	DOI: https://doi.org/	1.38	11	2s		2023
5	Dr J Jeffin Gracewell	Design and speed analysis of low power signal and double edge triggered flip flop with pulse signal feed through scheme	Int. Journal Of Electrical And Electronics Research	Elsevier	2347-470X	DOI: https://doi.org/	1.4	10	4	1107-1114	2023
6	Dr J Jeffin Gracewell	An Intelligent Harris Hawks Optimzation (IHHO) based Pivotal Decision Tree (PDT) Machine Learning Model for Diabetes	Int. Journal Of Intelligent Systems And Applications In Engineering	Elsevier	2147-6799	https://ijisae.org/index.php/ijisae/article/view/1034	0.3	10	4	415-423.	2023
7	Dr. S.Navaneethan	The human eye pupil detection system using BAT optimized deep learning architecture	Computer systems science and engineering	Semantic scholar	0267-6192	https://doi.org/10.32604/csse.2023.034546	2.69	46	1	125-135	2023
8	Dr. M. Selvi,Dr. Sheeba Joice,	Performance Analysis of Conventional and Innovative Teaching Learning Methodologies in Engineering	Journal of Engineering Education Transformations	SCIRESOL	2394-1707	10.16920/jeet/2022/v36is1/22183	0.56	36	1	110-114	2022

ACADEMIC YEAR 2022-23 - SCOPUS-CONFERENCES

S.NO	Authors	Title of the paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F	Vol	Issue	Page	Year
1	Srighitha S. Nath, A.Anjaline Jayapraba,	Detection of breast cancer using imaging sensor and mammogram – a review	IEEE XPLORE	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICSSS54381.2022.9782213	o	NA	NA	45901	2022
2	Srighitha S. Nath, S.Navaneethan	SD card interface using FPGA for multimedia applications	IEEE XPLORE	IEEE	978-1-6654-8271-4	https://doi.org/10.1109/ICECA55336.2022.100061138	o	NA	NA	388-394	2023
3	Srighitha S Nath	Comparison of different shapes MEMS based piezo electric pressure sensor for smart devices	IEEE XPLORE	IEEE	2832-3017	https://doi.org/10.1109/ICSSIT55814.2023.10061138	o	NA	NA	45778	2023
4	C Sheeba Joice	Obstacle Detection and Safe Navigation in Unexpected Situations of Intelligent Vehicle	IEEE Xplore	IEEE	979-8-3503-9720-8	https://doi.org/10.1109/ICSSS54381.2022.9782213	o	NA	NA	620-625	2023
5	S. Dhandapani, A.Anjaline Jayapraba	Delay and power analysis of modified booth multiplier	IEEE Xplore	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICERECT56837.2022.10059895	o	NA	NA	45778	2022
6	Dr. S. Dhandapani	Conditional Autoregressive value at risk enabled bird swarm algorithm and Intelligent flawless feature selection algorithm for Data	IEEE XPLORE	IEEE	978-1-6654-5635-7	https://doi.org/10.1109/ICECONF57129.2023.10083687	o	NA	NA	45778	2022
7	S. Dhandapani	Analysis of dental X-ray images for the diagnosis and classification of oral conditions	IEEE Xplore	IEEE	978-1-6654-6408-6	https://doi.org/10.1109/ICECA55336.2022.100061138	o	NA	NA	564-569	2023
8	S. Dhandapani	Comprehensive Analysis on Drowsiness Detection of Drivers using Facial Analysis	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICSSS54381.2022.9782269	1	NA	NA	1-10	2023
9	R.Jagadeshwaran, S. Dhandapani	A narrowband interference reduction technique: embedding modulation and spread spectrum in FPGA	IEEE Xplore	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICECA55336.2022.100061138	o	NA	NA	45748	2022
10	K Indhumathi, Nadar Akila Mohan,	Sub - millimeter wave nanoantenna - A Review	Journal of Physics - Conference Proceedings	IOP	-	doi:10.1088/1742-6596/2484/1/012052	0.2	2484	12053	1-5	2023
11	K Indhumathi, Nadar Akila Mohan,	Millimetre wave antenna for biomedical applications - Review	Journal of Physics - Conference Proceedings	IOP	2484 012055	doi:10.1088/1742-6596/2484/1/012052	0.2	2484	12055	1-6	2023
12	Dr. M.Vanitha	A Smart IoT based blackbox system for automobiles	Journal of Physics: Conference series	IOP	2484 012052	doi:10.1109/ICEAR53579.2022.9752312	0.2	2484	12052	1-9	2023
13	M.Vanitha	Metaheuristic optimization enabled unequal clustering with routing technique	IEEE XPLORE	IEEE	978-1-6654-8425-1	DOI:10.1109/ICEAR53579.2022.9752312	o	NA	NA	800-806	2022

14	M.Vanitha	A novel channel estimation scheme for mimoofdm systems based on cdd	IEEE XPLORE	IEEE	978-1-6654-0837-0	DOI:10.1109/ICICT54344.2022.9850760	o	NA	NA	747-753	2022
15	M.Vanitha	RFID based secure voting system with biometric authentication	IEEE XPLORE	IEEE	2768-0673	10.1109/ICCCNT54827.2022.9984270	o	NA	NA	45809	2023
16	M.Vanitha	Reconfigurable hardware implementation of CNN accelerator using zero-bypass multiplier	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA55336.2022.10009522	o	NA	NA	772-775	2023
17	M.Vanitha	Segmentation and classification of gallstone in ultrasound images of gall bladder using support vector machine	IEEE XPLORE	IEEE	978-1-6654-5262-5	doi: 10.1109/ICCCNT54827.2022.9984361. 10.1109/I-	o	NA	NA	45809	2023
18	M.Vanitha	Secured IOT based smart vehicle tracking system	IEEE XPLORE	IEEE	2768-0673	SMAC55078.2022.9987279	o	NA	NA	411-415,	2023
19	M.Vanitha	Voice flow control using artificial Intelligence	IEEE XPLORE	IEEE	978-1-6654-6487-1	https://doi.org/10.1109/ICSMDI57622.2023.00093	o	NA	NA	. 493-496	2023
20	M.Vanitha	An effective approach on clustering and data aggregation for the application of internet of things in long range networks	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA55336.2022.10009631	o	NA	NA	5 49-555	2023
21	C.T. Kalaivani	Environmental monitoring and control system for greenhouse with node mcu and gsm using iot devices	IEEE XPLORE	IEEE	978-1-6654-9761-9	10.1109/ICSSS54381.2022.9782164	o	NA	NA	45748	2023
22	C.T. Kalaivani, Srigitha S. Nath, A.Anjaline Javapraba	A review - Breast cancer detection using deep learning methods	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA55336.2022.10009307	o	NA	NA	569-574	2022
23	Kumaran S	IoT based Smoke Detection with Air Temperature and Air Humidity; High Accuracy with Machine Learning	IEEE XPLORE	IEEE	9781-6654-7517-4	10.1109/ICSSIT55814.2023.10061138	o	NA	NA	604-610	2022
24	Raji Pandurangan	IoT based Traffic controlling systems	IEEE Xplore	IEEE	978-1-6654-5499-5	https://doi.org/10.11	o	NA	NA	1- 6	2023
25	Raji Pandurangan	Implementation of RFID based material identification systems in super markets	IEEE Xplore	IEEE	978-1-6654-6216-7	https://doi.org/10.11	o	NA	NA	240-245	2023
26	Raji Pandurangan	Efficiently enhancing energy by means of LEACH protocol for a wireless sensor networks	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.11	o	NA	NA	1- 6	2023

27	Raji Pandurangan	Virtual Mouse	IEEE Xplore	IEEE	979-8-3503-4821-7		o	NA	NA	1- 6	2023
28	R.Vinod Kumar	Optimizing cluster head formation using re-election algorithm in wireless sensor networks	IEEE XPLORE	IEEE	2832-3017	10.1109/ICSSIT55814.2023.10060956	o	NA	NA	614-618	2023
29	R.Vinod Kumar	Smart clustering attack detection system	IEEE XPLORE	IEEE	978-1-6654-6216-7	10.1109/ICAIS56108.2023.10073716	o	NA	NA	1537-1542	2023
30	Amit Kumar Varshney	Design of Highly Miniaturized Zero Order Resonator Antenna for Wireless Applications	IEEE XPLORE	IEEE	9781-6654-7517-4	10.1109/ICONAT57137.2023.10080088	o	NA	NA	45839	2023
31	Amit Kumar Varshney, S Navaneethan	Deployment of Braun Multiplier Using Novel Adder Formulations	IEEE Xplore	IEEE	978-1-6654-6488-8	doi: 10.1109/ICSMDI57622.2023.00107	o	NA	NA	567-572	2023
32	R Jennie Bharathi	Low cost analog EEG amplifier for healthcare applications	IEEE XPLORE	IEEE	978-1-6654-8271-4	https://doi.org/10.1109/ICECA55336.2022.10009370	o	NA	NA	375-379	2023
33	Resmi Nair	An Efficient Low Power Full Adder Architecture Using Memristor	IEEE XPLORE	IEEE	979-8-3503-0088-8	10.1109/ICOSEC58147.2023.10276217	o	NA	NA	270-276,	2022
34	Resmi Nair	An Efficient High-Speed Architecture for Fast Fourier Transform using Pipelining	IEEE XPLORE	IEEE	979-8-3503-0088-8	10.1109/ICOSEC58147.2023.10275826	o	NA	NA	264-269	2022
35	P Vinayagam	GSM based electrical load control system for home applications	IEEE XPLORE	IEEE	979-8-3503-9784-0	10.1109/ICCP55978.2022.10072210	o	NA	NA	640-645	2023
36	P Vinayagam	Detecting and preventing of DOS attacks in an IOT based Wireless Sensor Network	IEEE XPLORE	IEEE	978-1-6654-9400-7	https://doi.org/10.1109/ICAECT57570.2023.10117899	o	NA	NA	1-7	2022
37	Mahendran K	Review on Cardio Vascular disease prediction using ML algorithm	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICVAD57570.2023.10117899	o	NA	NA	1- 6	2023
38	Mahendran K	Comparative Analysis of cardiovascular disease using machine learning techniques	IEEE Xplore	IEEE	979-8-3503-3600-9	https://doi.org/10.1109/ICVAD57570.2023.10117899	o	NA	NA	1- 8	2023
39	Mahendran K	Analysis of Face Feature Recognition using MATLAB	IEEE Xplore	IEEE	978-1-6654-6216-7	https://doi.org/10.1109/ICVAD57570.2023.10117899	o	NA	NA	908-914	2023
40	M Sowmiya Manoj	Design and Analysis of heart attack prediction system using ML	IEEE Xplore	IEEE	979-8-3503-9846-5	https://doi.org/10.1109/ICVAD57570.2023.10117899	o	NA	NA	1- 6	2023

41	G Keerthiga	Real time monitoring of transformer for industry using IoT	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 5	2023
42	M. Praveen	Prediction of coronary artery disease by adapting hybrid approach of machine learning methods	IEEE XPLORE	IEEE	978-1-6654-9764-0	DOI: 10.1109/ICOCSE549.2022.9952111	o	NA	NA	1233-1237	2023
43	M. Praveen	A Traffic Road Sign Recognition System using Raspberry Pi with OpenCV Libraries based on Embedded Technologies	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 6	2023
44	M. Praveen	Wireless Sensor Network and IOT Smart Irrigation System for Farming	IEEE Xplore	IEEE	979-8-3503-9849-6	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1246-1250	2023
45	M. Praveen	Brain tumor segmentation using convolutional neural network in MRI images based on deep learning	IEEE Xplore	IEEE	978-1-6654-9400-7	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 7	2023
46	T. Archana	Design of voice based virtual assistant using IoT	IEEE Xplore	IEEE	978-1-6654-8962-1	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1152-1155,	2023
47	T. Archana	An experimental model of smart digital pills for real time in body localization	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 6	2023
48	T. Archana	Analysis of microneedle using COMSOL for automated drug delivery system	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 5	2023
49	T. Archana	Performance assessment of routing protocols in an internet of things by communicating in a wireless sensor networks	IEEE XPLORE	IEEE	978-1-6654-1035-9	doi: 10.1109/ICICCS5371.2022.9788156.	o	NA	NA	773-780	2023
50	T. Archana , C.SheebaJoice,, M.Vanitha ,M. Selvi	Secured IoT based smart vehicle tracking system	IEEE XPLORE	IEEE	2768-0673	10.1109/ICSSIT55814.2023.10061141	o	NA	NA	411-415,	2023
51	Sakthi K	Reconfigurable hardware implementation of CNN architecture using Zero bypass multiplier	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 5	2023
52	Sakthi K	System for real time monitoring and reporting of the weather based on the IoT	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICOCSE549.2022.9952111	o	NA	NA	1- 5	2023
53	Sakthi K	IoT based soil monitoring and control systems	IEEE XPLORE	IEEE	978-1-1-6654-7467-2	https://doi.org/10.1109/ICSSIT55814.2023.10061141	o	NA	NA	516-522,	2023
54	Srinivasan C	A tiny ml based residual binarized neural network for real-time image classification	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA5533.2022.10009197	o	NA	NA	1117-1124	2023

55	Srinivasan C	Wildfire detection and avoidance of false alarm using DENSENET	IEEE XPLORE	IEEE	978-1-6654-5262-5	10.1109/ICCCNT54827.2022.9984493	o	NA	NA	pg 1-5	2023
56	Srinivasan C	Home automation using Arduino through voice control	IEEE XPLORE	IEEE	978-1-6654-7467-1	10.1109/ICSSIT55814.2023.10061121	o	NA	NA	419-423	2023
57	Srinivasan C	IoT based automatic smart blackbox system to detect accidents	IEEE XPLORE	IEEE	978-1-6654-6216-7	10.1109/ICAIS56108.2023.10073763	o	NA	NA	23-29	2023
58	Srinivasan C	SIPMS- IoT based smart ICU patient monitoring system	IEEE XPLORE	IEEE	979-8-3505-3436-4	10.1109/ICECONF57129.2023.10083603	o	NA	NA	45839	2023
59	A Elakkiya	Design and simulation of near perfect quad band terahertz metamaterial absorber	IEEE Xplore	IEEE	978-1-6654-9400-7	https://doi.org/10.1109/ICIS56108.2023.10073763	o	NA	NA	1- 5	2023
60	S Imran Hussain	Real time cryptocurrency calculator using an application programming interface	IEEE XPLORE	IEEE	978-1-6654-7467-2	10.1109/ICSSIT55814.2023.10061038	o	NA	NA	732-735	2023
61	S Imran Hussain	Automation of smart home using smart phone via google assistant	IEEE XPLORE	IEEE	978-1-6654-7467-2	10.1109/ICSSIT55814.2023.10060979	o	NA	NA	499-505	2023
62	S Imran Hussain	A novel energy harvesting logics using MEMS for IoT assisted applications	IEEE XPLORE	IEEE	978-1-6654-6408-6	10.1109/ICCMC56507.2023.10083545	o	NA	NA	1417-1421	2023
63	R Latha	A Medical Assisting System Using Augured Reality For Critical Analysis	IEEE XPLORE	IEEE	2473-7577	10.1109/ICCCI56745	o	NA	NA	1-5	2023
64	Thirumalai.M	Optimal sitting and sizing of DSTATCOM using fruit fly algorithm	IEEE XPLORE	IEEE	0094-243X	https://doi.org/10.1109/ICCCI56745	1.4	2452	1	2452	2023
65	Kannan R	A novel fabric defect detection network in textile fabrics based on DLT	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICIS56108.2023.10073763	o	NA	NA	1-8	2023
66	Kannan R	Compressor-Based Precise Biended Wallace Tree Multiplier Architecture for Signal Processing Applications	IEEE Xplore	IEEE	978-1-6654-5635-7	https://doi.org/10.1109/ICIS56108.2023.10073763	o	NA	NA	1- 5	2023
67	Kannan R	Driver drowsiness detection and alert system	IEEE XPLORE	IEEE	979-8-3503-9847-2	10.1109/ICICACS57338.2023.10100316	o	NA	NA	236-241	2023
68	Immaculate Joy	Automatic Scikit learn based detection and classification of breast cancer using machine learning techniques	IEEE Xplore	IEEE	978-1-6654-9400-7	https://doi.org/10.1109/ICIS56108.2023.10073763	o	NA	N	1-8	2023

69	Immaculate Joy	Improved EMD algorithm for electrocardiogram deionising and feature extraction for detection of cardiovascular	IEEE XPLORE	IEEE	978-1-6654-7467-2	10.1109/ICSSIT55814.2023.10061053	o	NA	NA	135-139,	2023
70	S.Asha	Development Of Rfid Tag AntenNA With Graphene Material Using Deep Learning	Conf Institute Of Physics Publishing	Physics: Conference Series, Iop Publishing	1742-6588	doi:10.1088/1742-6588/1742-6588/1/1/012012	0.56	2272	1	12012	2023
71	Dr S Asha	Graphene based rectangular microstrip patch antenna for UWB applications	Journal of Physics - Conference Proceedings	IOP	1742-6596	DOI 10.1088/1742-6596/1204/6/1/012012	0.2	2484	12046	1- 10	2023
72	S Asha	A low energy system for IoT based wireless sensor networks	IEEE Xplore	IEEE	978-1-6654-6216-7	https://doi.org/10.1109/ICSSIT55814.2023.10061053	o	NA	NA	164-168	2023
73	S Asha	Enhanced authentication model based on trustworthy for IoT enabled networks	IEEE Xplore	IEEE	978-1-6654-7497-9	https://doi.org/10.1109/ICSSIT55814.2023.10061053	o	NA	NA	1-8	2023
74	K.Arun Kumar, Dr. Beulah Jackson, Dr. P.Mangavarkarasi	Design Of High Speed, Low Power 16x16 Vedic Multiplier With Adiabatic Logic	IEEE XPLORE	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICSSS54381.2022.9782274	o	NA	NA	pg 1-7	2023
75	K.Arun Kumar	Enhancement in quality of services for an IOT based wireless sensor networks	IEEE XPLORE	IEEE	978-1-6654-9710-7	https://doi.org/10.1109/ICAAIC53929.2022.9792667	o	NA	NA	1516-1522	2022
76	K.Arun Kumar	Machine learning-based performance comparison of breast cancer detection using support vector machine	IEEE XPLORE	IEEE	NA	https://doi.org/10.1109/ICSSS54381.2022.9782274	0.26	2519	1	50011	2022
77	K.Arun Kumar	Booth multiplier-based robust model of fir filters for VLSI applications	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA55336.2022.10009401	o	NA	NA	249-254	2023
78	K.Arun Kumar	Device free human body fall detection to aid senior citizen	IEEE XPLORE	IEEE	978-1-6654-8271-4	10.1109/ICECA55336.2022.10009573	o	NA	NA	1158-1162	2023
79	K.Arun Kumar	Implementation of Kidney stone detection using CNN	IEEE XPLORE	IEEE	978-1-6654-7467-2	10.1109/ICSSIT55814.2023.10061142	o	NA	NA	1320-1324	2023
80	K.Arun Kumar	Wireless Medical Sensor Networks based Healthcare Monitoring System in Naorow band IOT	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICSSIT55814.2023.10061142	o	NA	NA	1-11	2023
81	S Navaneethan	VAROKA- CHATBOT: AN artificial Intelligence based desktop partner	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICSSIT55814.2023.10061142	o	NA	NA	pg 1-5	2023
82	S Navaneethan	Digital Filter design on high speed communication with low power criterial	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICSSIT55814.2023.10061142	o	NA	NA	Pg 1-5	2023

83	S Navaneethan	A hardware efficient real-time video processing on FPGA with OV 7670 camera interface and VGA	IEEE XPLORE	IEEE	978-1-6654-8271-4	https://doi.org/10.1109/ICECA55336.2022.10009129	o	NA	NA	348-352	2023
84	V Gomathi	Traffic congestion control by monitor illegal parking and enabling intimation	Journal of Physics: Conference series	IOP	2484 012047	doi:10.1088/1742-6596/2484/1/012047	0.2	2484	12044	1-9	2023
85	V Gomathi	Survey on solar PV cleaning processes and MPPT system for a smart grid	IEEE XPLORE	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICSSS54381.2022.9782190	o	NA	NA	pg 1-7	2023
86	V Gomathi	Development of diagonally positioned MIMO antenna with Improved isolation and RCS mitigation for multiband uses	IEEE XPLORE	IEEE	978-1-6654-6408-6	10.1109/ICCMC56507.2023.10083589	o	NA	NA	1031-1035	2022
87	V Gomathi	Two port UWB-MIMO Antenna design for WiMAX and X-Band Applications	IEEE Xplore	IEEE	979-8-3503-9619-5	https://doi.org/10.1109/ICMTC56507.2023.10083589	o	NA	NA	pg 1- 5	2023
88	V Gomathi	An efficient and robust modified hybrid multipliers with less power and better speed	IEEE Xplore	IEEE	978-1-6654-7467-2	https://doi.org/10.1109/ICMTC56507.2023.10083589	o	NA	NA	. 272-277,	2023
89	Selvi M	Moodle Data Analysis For Effective Online Teaching And Learning	IEEE Xplore	IEEE	978-1-6654-6408-6	https://doi.org/10.1109/ICMTC56507.2023.10083589	o	NA	NA	557-563	2023
90	Selvi M	Artificial Intelligence for IoT-based Healthcare system	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICMTC56507.2023.10083589	o	NA	NA	pg 1- 5	2023
91	A. Hemamalini	Sand theft prevention using rssi based relative positioning and tracking system	IEEE XPLORE	IEEE	978-1-6654-9761-9	https://doi.org/10.1109/ICSSS54381.2022.9782300	NA	NA	NA	pg 1- 5	2023
92	A. Hemamalini	A comprehensive analysis for implementing IOT on LTE systems	IEEE XPLORE	IEEE	978-1-6654-9710-7	10.1109/ICAAIC53929.2022.9793086	o	NA	NA	5020-508	2022
93	A. Hemamalini, M. Selvi	BER Performance Analysis Of OFDM Based Free Space Optical Communication System Using μ -Law And A-Law Methods	IEEE XPLORE	IEEE	978-1-6654-5262-5	10.1109/ICCCNT54827.2022.9984229	o	NA	NA	pg 1- 5	2022
94	Hemamalini	Non contact heart rate monitoring system using deep learning techniques	IEEE XPLORE	IEEE	978-1-6654-7451-1	10.1109/IDCIoT56793.2023.10053467	NA	NA	NA	483-486	2022
95	Hemamalini	Efficiency and computation of WIMAX OFDM using millimeter wave and smart antennas	IEEE XPLORE	IEEE	978-1-6654-7467-2	10.1109/ICSSIT55814.2023.10060978	o	NA	NA	pg 1- 5	2023
96	Hemamalini	An efficient and robust breast cancer detection in mammogram image using improved threshold extraction method	IEEE XPLORE	IEEE	978-1-6654-6084-2	10.1109/ICACRS55517.2022.10029210	o	NA	NA	1188-1193	2023

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2023-24 - SCI Indexed Journal Publications

S. No.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F	Vol	Issue	Page	Year
1	Srigitha S Nath	Generic Paddy Plant disease detector - An Application of the Deep CNN Model	International Journal Of Electrical & Computer Engineering Systems	J J Strossmayer Univ Osijek	1847-6996	DOI: https://doi.org/10.32985/ijeces.14.6.4	0.8	14	6	647-656	2023
2	Sheeba Joice C, Srinivasan C,	Energy management of hybrid energy storage system in electric vehicle based on hybrid SCSSO-RERNN approach	Journal Of Energy Storage	Elsevier	2352-152X	https://doi.org/10.1016/j.est.2023.109733	8.9	78		109733	2023
3	Sheeba Joice C	Design and Modelling of a neural network based energy management system for solar PV fuel cell, battery and ultracapacitor based hybrid electric	Electrical Engineering	Springer	0948-7921	https://doi.org/10.1007/s00202-023-02015-x	1.6	106	2	689-709	2023
4	Dhandapani S	Neural network based OFDM SNM detection emerging technique of future data communication	Communication In Computer And Information Science	Springer	78-3-031-35643-8	https://doi.org/10.1007/978-3-031-35644-5_15	0	1782	2	194-204	2023
5	Dhandapani S	Automatic adaptive synchronization (A2S): A demand-based automatic synchronization for distribution generators in islanding mode	Knowledge-Based Systems	Elsevier	0950-7051	https://doi.org/10.1016/j.knosys.2023.110641	7.2	110641	275	Jan-18	2023
6	M.Vanitha	Accelerating autonomous vehicle safety through Real-Time Immersive virtual reality gaming simulations	Entertainment Computing	Elsevier	1875-9521	https://doi.org/10.1016/j.entcom.2024.100674	2.8	50	2	100674	2024
7	M Vanitha	Theoretical enhancement of energy production performance in PV arrays through effective shadow detection using hybrid technique	Solar Energy	Pergamon-Elsevier	0038-092X	https://doi.org/10.1016/j.solener.2023.112006	6	264	1	112006	2023
8	M.Vanitha	Design and fabrication of NiSe ₂ /g-C ₃ N ₄ hybrid composite counter electrode for Pt-free dye-sensitized solar cells	Journal Of Materials Science: Materials In Electronics	Springer	0957-4522	DOI:10.1007/s10854-024-12251-x	2.8	35	6	NA	2024
9	Aravind T	Optimizing the selection of natural fibre reinforcement and polymer matrix for plastic composite using LS-SVM technique	Chemosphere	Elsevier	1879-1298	https://doi.org/10.1016/j.chemosphere.2023.140971	8.1	349	NA	140971	2024
10	Aravind T	Investigations on effect of Mn doping on the photocatalytic properties CdS nanoparticles for effective degradation of organic pollutants and enhanced production of solar fuels	Journal of Material science in Electronics	Springer	0957-4522	http://dx.doi.org/10.1007/s10854-024-12268-2		35(7)			2024
11	K Chanthirasekaran	Big data architecture framework for data analysis and Processing in Ecosystem	Intelligent Systems And Applications In Engineering	Intelligent Systems And Applications In	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/3643	0.2	12	2S	01-Jul	2023
12	K Chanthirasekaran	Adaptive solar power generation forecasting using enhanced neural network with weather modulation	Journal Of Intelligent & Fuzzy Systems		1064-1246	10.3233/JIFS-235612	1.7	vol 46	4	10955-10968	2023
13	K Chanthirasekaran	Machine Learning-Based Intrusion Detection: A Comparative Analysis among Datasets and Innovative Feature Reduction for Enhanced	International Journal Of Intelligent Systems And Applications In	Ios Press	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/4505		Vol. 12	12s	200-205	2024

14	Jaya T	Wall-Cor Net: wall color replacement via Clifford chance-based deep generative adversarial network	Signal, Image And Video Processing	Springer	1863-1703	https://doi.org/10.1007/s11760-024-03054-y	2.3	18		4075-4084	2024
15	Jaya.T	A novel concatenated 1D-CNN model for speech emotion recognition	Biomedical Signal Processing And Control	Science Direct	1746-8108	:10.1016/j.bspc.2024.106201	4.9	93	NA	106201	2024
16	Kalaivani C T, Jeffin Gracewell	Reinforcement learning based blockchain model for revoking unauthorized access in Virtualized Network Functions-based Internet of Things Mobile Edge	Transactions On Emerging Telecommunications	Wiley	2161-3915	https://doi.org/10.1002/ett.4981	NA	35	5	e4981	2024
17	Kalaivani C T, Jeffin Gracewell	Dynamic edge clustering and task scheduling for edge assisted metaverse system in the field of remote work and collaboration	Concurrency and Computation: Practice and Experience	Wiley	1532-0626	https://doi.org/10.1002/cpe.8139	1.5	36	18	e8139	2024
18	S Kumaran	Synthesis, molecular structure, experimental and theroretical characterization of 3-2-2,4 dinitrophenyl hydrazone methyl pyridine carcinopreventive	Journal Of Molecular Strcutre	Elsevier	222860	10.1016/j.molstruc.2023.136527	4	1294	Part 2	136527	2023
19	S Kumaran	Structural, chemical reactivity, topological, electronic and spectroscopic and antiviral investigation of Furo [3,2-c pyridine-2-carbaldehyde	Chemical Physics Impact	Science Direct	2667-0224	https://doi.org/10.1016/j.cphi.2023.100283	3.8	7	1	100283	2023
20	S Kumaran	Improving the performance of Mn2O3 electrodes by Co substitution for super capacitor applications	Journal Of Material Science: Materials In Electronics	Springer	9574522	DOI:10.1007/s10854-023-11368-9	2.8	34	1959	NA	2023
21	S Kumaran	Enhancing the photo sensing properties of CdS via fabricating hybrid with MoS2 for bifuntional optoelectronic and DSSC applications	Chemical Paper	Springer	0366-6352	https://doi.org/10.1007/s11696-023-03171-x	2.1	78	1	1443-1456	2023
22	S Kumaran	Structural, electronic, intermolecular interaction, reactivity, vibrational spectroscopy, charge transfer, Hirshfeld surface analysis, pharmacological and	Heliyon	Science Direct	2405-8440	DOI: 10.1016/j.heliyon.2023.e19965	3.4	9	9	19965	2023
23	S.Kumaran	Enhancing the Photocatalytic Activity of a TiO2/Ag3VO4 Hybrid Composite for Optoelectronic and Solar Energy Conversion	Journal Of Electronic Materials	Springer	0361-5235	https://doi.org/10.1007/s11664-024-10939-8	2.2	53	1	1989-2002	2023
24	S.Kumaran	Fabrication of graphitic carbon nitride decorated MoSe2 hybrid nanocomposite as an efficient counter electrode for Pt free dye sensitized solar cells	Chemical Papers	Springer	0366-6352	10.1007/s11696-023-03268-3	2.1	78	4	2635-2647	2023
25	S.Kumaran	Synergistic design and fabrication of g-C3N4 decorated Ni-doped CeO2 nanocomposite: A highly efficient photo and electrocatalyst for enhanced	Diamond & Related Materials	Elsevier Science Sa	0925-9635	https://doi.org/10.1016/j.diamond.2023.110780	4.3	142	NA	110780	2024
26	S.Kumaran	Facile green synthesis of gelatin sodium alginate cerium oxide hydrogel nanocomposite and their photocatalytic and its biological applications	Chemical Papers	Springer	0366-6352	https://doi.org/10.1016/j.molstruc.2020.128292	2.1	78	NA	3111–3123	2024
27	S.Kumaran	Computational analysis of anti-cancer drug hydroxyurea adsorption on nanocages of gold, silver and copper: SERS and DFT assessment	Heliyon	Science Direct	2405-8440	https://doi.org/10.1016/j.heliyon.2024.e24475	3.4	10	5	e24475	2024
28	Raji Pandurangan	Novel development of Fuzzy controller based multi agent system for efficient navigation of autonomous robots	International Journal Of Uncertainty	World Scientific Connect	0218-4885	doi/10.1142/S0218488523400020	1	31	Sup1	Nov-30	2023
29	Raji Pandurangan	Enhancing the accuracy of target detection in remote video surveillance analytics through federation learning	Optical And Quantum E	Springer	0306-8919	https://doi.org/10.1007/s11760-024-03054-y	3.3	56	NA	185	2023
30	R.Vinod Kumar	Optimizing federated learning approaches with hybrid Convolutional Neural Networks - Bidirectional Encoder Representations from	International journal of Communication Systems	Wiley	1074 -5351	https://doi.org/10.1002/dac.5822		37	13	E5822	2024

31	P Baraneedharan	Nanoengineering of MXene-Based Field-Effect Transistor Gas Sensors: Advancements in Next-Generation Electronic Devices	Journal Of The Electrochemical Society	Electrochemical Soc Inc	0013-4651	10.1149/1945-7111/acfc2b	3.1	170	10	107501	2023
32	P Baraneedharan	Redox based supercapacitors: A Review	<u>Materials Research Innovations</u>	Taylor & Francis		https://doi.org/10.1080/14328917.2023.2223943	0.335	28	1	49-69	2023
33	P Baraneedharan	Removal of toxic heavy metal ion from tannery effluent by using Fusarium subglutinans and hylocereus undatus	Desalination And Water Treatment	Elsevier	1944-3986	DOI:10.5004/dwt.2023.29952	1	312	NA	70-78	2023
34	J.Jeffin Gracewell	Revolutionizing heart disease prediction with quantum-enhanced machine learning	Scientific Reports	Nature Portfolio	2045-2322	https://doi.org/10.1038/s41598-024-55991-w	3.8	14	7453	Jan-16	2024
35	J.Jeffin Gracewell	A turbulent fow optimized deep fused ensemble model (TFO-DFE) for sentiment analysis using social corpus data	Social Network Analysis And Mining	Springer Wien	1869-5450	DOI:10.1007/s13278-024-01203-2	2.3	14	41	1-9	2024
36	P Vinayagam	Deep learning based compression with classification model on CMOS Image sensors	Traitement Du Signal	Int Information & Engineering Technology	0765-0019	https://doi.org/10.18280/tis.400332	1.2	40	3	1163-1170	2023
37	K. Mahendran	Optimizing Distributed Generation Resources for Power Grid Quality Improvement Using Hybrid Optimization Technique	Electric Power Components And Systems	Taylor & Francis Inc	1532-5008	https://doi.org/10.1080/15325008.2023.2298280	1.9	11	2	1-19	2023
38	K. Mahendran	Design and Investigation of Photonic Crystal Antenna Performance for Expeditious Data Rate in Wireless Communication	Brazilian Journal Of Physics	Springer	0103-9733	https://doi.org/10.1007/s13538-023-01408-4	1.5	54	31	1-12	2023
39	K. Mahendran	Smart agriculture application using secured and energy efficient IoT based WSN framework	Asian Journal Of Water Environment And Pollution	Iop	0972-9860	DOI: 10.3233/AJW230069	0.4	20	5	87-93	2023
40	K. Mahendran	Design of microwave metamaterial absorber for Ku-, X-, and C- band applications	Results In Optics	Elsevier	2666-9501	https://doi.org/10.1016/j.rio.2024.100653	2.5	15		100653	2024
41	K Sakthi	A novel attention based feature learning and optimal deep learning approach for network intrusion detection	Journal Of Intelligent And Fuzzy Systems	Iop	1064-1246	DOI: 10.3233/JIFS-231758	1.7	45	3	5123-5140	2023
42	Srinivasan C	Identification of rheumatoid arthritis using bone image features with radial basis function neural networks	International Journal Of Imaging Systems And Technology	Wiley	0899-9457	https://doi.org/10.1002/ima.23087	3	34	3	1-6	2024
43	Srinivasan C	Enhancing grid stability and efficiency in buildings through forecasting and intelligent energy management of distributed energy resources	Electrical Engineering	Springer	0948-7921	https://doi.org/10.1007/s00202-024-02453-1	1.6	vol 106	NA	7491-7508	2024
44	S Imran Hussain	Energy efficient low temperature activated desiccant wheels with nano desiccant coated fiber matrix	Journal Of Thermal Analysis And Calorimetry	Springer	1388615	https://doi.org/10.1007/s10973-023-12506-5	3	148	NA	11511-11533	2023
45	A Elakkiya, Srigitha S Nath, M Vanitha	Design, fabrication and Characterization of Terahertz five band metamaterial absorber	Pramana - Journal Of Physics	Indian Acad Sciences	0304-4289	https://doi.org/10.1007/s12043-023-02583-4	1.9	97	112	NA	2023
46	Elakkiya A,C T Kalaivani	Refractive index sensor based on terahertz metamaterial	Journal Of Optoelectronics And Advanced Materials	Natl Inst Optoelectronics	1454 4164	No DOI	0.5	4	3	01-Dec	2023
47	K.Gokulkannan	Using AI to Improve Autonomous Unmanned Aerial Vehicle Navigation	International Journal Of Intelligent Systems And Applications In	Ios Press	1327-2314	https://ijisae.org/index.php/IJISAE/article/view/4673	NA	12	14s	368-376	2024

48	M Thirumalai	Optimizing Distribution System Resilience in Extreme Weather Using Prosumer-Centric Microgrids with Integrated Distributed Energy	Sustainability,	Mdpi	2071-1050	https://doi.org/10.3390/su16062379	3.3	16	6	2379	2024
49	Arokia Nerling Rasoni G	Intruder identification using feed forward encasement-based parameters for cybersecurity along with IoT devices	Measurement Sensors			DOI:10.1016/j.measen.2024.101035			32(1):101035		2024
50	S Asha	A triple band MIMO slot antenna with enhanced resonance for wimax, wifi and WLAN applications	Int Journal Of Engineering Systems, Modelling And	Inderscience Enterprises Ltd	1755-975	https://doi.org/10.1504/IJESMS.2023.131787	0.9	14	3	158-162	2023
51	S Asha	Synthesis, solvation effects, spectroscopic, chemical reactivity, topological analysis and biological evaluation of 4 chloro N 2, 6 dichlorobenzylidene	Journal Of Molecular Liquids	Elsevier	14544164	DOI:10.1016/j.molliq.2023.122955	5.3	390	8	122955	2023
52	S Asha	A printed monopole antenna for next generation IoT: Narrow band Internet of Things	Progress In Electromagnetics Research	Pier	1559-8985	DOI:10.2528/PIERC23090202	6.1	138	2	117-129	2023
53	S Asha	Design of modified MIMO antenna based on tweaked spherical fractal geometry for 5G New Radio band N258 applications	Fractal And Fractional	Mdpi	2504-3110	https://doi.org/10.3390/fractalfract7100718	3.4	7	10	718	2023
54	S.Asha	Nano-resonator based broadband metamaterial absorber with angular stability operating in visible light spectrum for solar energy harvesting	Optical Materials	0925-3467	1873-3492	https://doi.org/10.1016/j.optmat.2024.115043	3.8	149	NA	115043	2024
55	S.Asha	A Quad Port MIMO Antenna Designed with an X-Shaped Decoupling Structure for Wideband Millimeter-Wave (mm-Wave) 5G FR2 New Radio	Wireless Personal Communications	Springer	0929-6212	https://doi.org/10.1007/s11277-024-10934-6	1.9	134	1.9	880-880	2024
56	K Arunkumar	Synthesis, GCMS, Spectroscopic, electronics properties, chemical reactivity, RDG, topology and biological assessment of 1-3,6,6- trimethyl-1,6,7,7a-	Chemical Physics Impact	Elsevier	2667-0224	https://doi.org/10.1016/j.chphi.2023.100385	3.8	7	2	100385	2023
57	Arunkumar K,S.Dhandapani	DeBAM – ERCPAA – CNN: Hardware Efficient CNN Accelerator Design Using Decoder Based Low Power Approximate Multiplier and Error Reduced	Journal Of Multiple-Valued Logic And Soft Computing	Old City Publishing Inc ,	1542-3980	NA		41	6	537-558	2024
58	SUBASHREE V	A Cloud-Connected Digital System for Type-1 Diabetes Prediction using Time Series LSTM Model	MEASUREMENT SCIENCE REVIEW		1335-8871	https://doi.org/10.2478/msr-2024-0011	Volume 24		1.1		2024
59	Nirmaladevi K	Room temperature fibre optic gas sensor technology based Zn3(VO4)2/PMMA hybrid composites via facile hydrothermal route	Optical Fiber Technology	Elsevier	1068-5200	https://doi.org/10.1016/j.yofte.2023.103642	2.6	82	1	103642	2023
60	Nirmaladevi K	Design and Analysis of normally off GaN HEMT using Ga2O3 buffer for low loss power converter applications	Micro And Nanostructures	Elsevier	2773-0123	https://doi.org/10.1016/j.micrna.2023.207643	2.334	182	8	207643	2023
61	Navaneethan S	A Novel Pothole Detection Model Based on YOLO Algorithm for VANET	International Journal Of Intelligent Systems And Applications In	Ios Press	2147-6799	https://www.ijisae.org/index.php/IJISAE/article/view/4419	NA	Vol. 12	11s	56-61	2024
62	S.Navaneethan	Exploring 4-chloro chalcone: Synthesis, spectroscopic, chemical reactivity, topological, hirshfeld surface, drug-Likeness, molecular docking	Journal Of Molecular Liquids	Elsevier	0167-7322	https://doi.org/10.1016/j.molliq.2024.124561	5.3	400		124561	2024

ACADEMIC YEAR 2023-24 --SCOPUS JOURNAL											
Sl. No.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F	Vol	Issue	Page	year
1	Dhandapani S	LVRT Enhancement of DFIG-based WECS using SVPWM-based Inverter Control	Recent Advances in Electrical and Electronic Engineering	BENTHAM SCIENCE	2352-0973	https://doi.org/10.2174/2352096516666230606103013	NA	vol 17	4	345-357	2024
2	Jaya T,Srigitha S.Nath	Surveillance Monitoring using ESP32-Cam Module for Fog Detection in Agriculture	GRENZE International Journal of Engineering and Technology	GRENZE	979-833130057-9	https://r.search.yahoo.com	10	4	NA	149-155	2024
3	Jeffin Gracewell	A Breakthrough With Machine Learning in Real-Time Environments	Handbook of Research on AI and Knowledge Engineering for Real-Time Business Intelligence	IGI GLOBAL		DOI: 10.4018/978-1-6684-6519-6.ch004	NA	2023	NA	54-71	2023
4	S.Kanagamalliga, P. Vinayagam	Advancements in Real-Time Face Recognition Algorithms for Enhanced Smart Video Surveillance	Procedia Computer Science	Elsevier	1877-0509	https://doi.org/10.1016/j.procs.2023.12.104	0.883	230	NA	486-492	2024
5	S. Kanagamalliga	Modelling and performance analysis of free body dynamics of electric vehicles	International Journal of Power Electronics and Drive Systems		2088-8694	http://doi.org/10.11591/ijpeds.v15.i1.pp1-7	1.93	15	1	pg 1-7	2024
6	S Kanagamalliga	Optimizing drone delivery : An efficient design for shipper applications	Journal Of Autonomous Intelligence	Frontier Scientific Publishing	2630-5046	DOI: https://doi.org/10.32629/jai.v7i1.875	1	7	1	878	2023
7	N.Sugitha	Automatically Segmenting and Classifying the Lung Nodules from CT Images	International Journal of Intelligent Systems and Applications in Engineering,	Scopus		https://www.ijisae.org/index.php/IJISAE/article/view/3414		12	1	271-281	2024
8	N.Sugitha	Analysis of Copy Move Forgery Detection Process by Applying Fuzzy C Means Algorithm Based on Deep Learning in Digital Image Processing	SSRG International Journal of Electronics and Communication Engineering			https://doi.org/10.14445/23488549/IJECE-V11I2P106		11	2	50-59	2024
9	N.Sugitha	An Optimized Fuzzy C-Means with Deep Neural Network for Image Copy-Move Forgery Detection	International Journal of Electrical and Electronics Research,	Forex Publication	2347-470X	10.37391/IJEER.120142	7.01	12	1	308-314	2024
10	N.Sugitha	Prediction of Crime Rate in Diverse Environs Using Hybrid Classifier	SSRG International Journal of Electronics and Communication Engineering	Seventh Sense Research Group	23488549	https://doi.org/10.14445/23488549/IJECE-V11I2P109	NA	11	2	80-91	2023
11	N.Sugitha	An Optimized Fuzzy C-Means with Deep Neural Network for Image Copy-Move Forgery Detection	International Journal of Electrical and Electronics Research,	Forex Publication	2347-470X	10.37391/IJEER.120142	7.01	12	1	308-314	2024
12	P Vinayagam	Parallel VLSI Architectures for High-Throughput Image Processing in Medical Imaging	Procedia Computer Science	Elsevier	1877-0509	https://doi.org/10.1016/j.procs.2024.03.274	0.88	233	NA	851-860	2023
13	Srinivasan C	Smart Agriculture using Internet of Things	Signals and Communication Technology	Springer	978-3-031-47942-7	https://doi.org/10.1007/978-3-031-47942-7_30	NA	NA	NA	351-360	2023
14	Latha R	Routing Protocol using Ant Colony Optimization-Traveling Salesman Problem	Procedia Computer Science	Elsevier	1877-0509	https://doi.org/10.1016/j.procs.2023.12.107	0.883	230	NA	515-521	2024

15	M Thirumalai	Minimizing the impact of electric vehicle charging station with distributed generation and distribution static synchronous compensator using PSR index and spotted hyena optimizer algorithm on the radial distribution system	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Elsevier	2772-6711	https://doi.org/10.1016/j.prime.2024.100587	NA	8	1E+05	pg 1-15	2023
16	M Varun	A internet of things improving deep neural network based particle swarm optimisation computation prediction approach for healthcare system	International Journal on recent and innovation trends in computing and communication	IJRITCC	2321-8169	https://doi.org/10.17762/ijritcc.v11i4s.6311	1.376	11	4s	92-99	2024
17	S.Asha	A Coplanar Waveguide-Fed Highly Efficient Miniaturized Conformal Triple Band Antenna for Bio-Medical Applications	Journal of Nano- and Electronic Physics		2077-6772	2077-6772	0.394	15	6	6029	2024
18	S.Asha	A compact circularly polarized dual port MIMOantennawithDGS andparasitic patch for modernwireless communicationandIOT application	Physica Scripta	IOP	0031-8949	10.1088/1402-4896/ad3865	NA	99	5	pg 1-6	2024
19	S.Asha	A high gain directional1*8planar antenna array for 2.4 GHz RFID reader application	Journal of circuit, system, computer	Academic Press Inc Elsevier	0022-0000	https://doi.org/10.1142/S0218126624502190	0.9	33	12	2450219	2024
20	K.Arun Kumar	Design and Comparison of SEU Tolerant 10T Memory Cell for Radiation Environment Applications	EAI Endorsed Transactions on Energy Web		2032944X	European Alliance for Innovation	3.3	11	NA	541-549	2024
21	K.Arun Kumar	Breast Cancer Classification through Meta-Learning Ensemble Model based on Deep Neural Networks	Journal of Information Technology Management, 16, 1, 2024,	Scopus		10.22059/jitm.2024.96375		16	1	61-87.	2024
22	Nirmala Devi K	Decision-Making Support in Smart Farming	Chapter 10 in the Ebook - Advanced Technologies for Smart Agriculture	River Publishers	9781032628745	https://www.taylorfrancis.com/search?contributorName=K.%20Nirmala	NA	NA	NA	pg 1-21	2023
23	S.Navaneethan	Enhanced Optimization Algorithm with Deep Learning Assisted Oral Cancer Diagnosis on IoT Healthcare Systems	Journal of Intelligent Systems and Internet of Things		26906791	American Scientific Publishing Group (ASPG)	0	11	2	97-110	2023
24	K Padma Priya, K Mahendran	Brain tumor detection and classification using CNN	Innovations in Communication Computing and Sciences 2022 (ICCS-2022)	Book Chapter - River Publications	-	https://www.researchgate.net/publication/371043088	NA	17	NA	pg 1-7	2023

ACADEMIC YEAR 2022-23 - IEEE CONFERENCE -SCOPUS

Sl. No.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI no.	I.F	Vol	Issue	Page	year
1	C Sheeba Joice	FPGA Trojan Attack Impacts on Architecture Performance: A Systematic Approach Revealed	IEEE Xplore	IEEE	979-8-3503-9663-8	https://doi.org/10.1109/1CCES57224.2023.10192867	0	NA	NA	128-132	2023
2	C Sheeba Joice	IoT-Enabled RO Wastewater Management for Sustainable Development	IEEE Xplore	IEEE	979-8-3503-9720-8	10.1109/ADICS58448.2023.10533633	0	NA	NA	620-625	2023
3	C Sheeba Joice	An Autonomous Driving System for Image based Lane Segmentation	IEEE Xplore	IEEE	978-1-6654-9360-4	https://doi.org/10.1109/1CECCT56650.2023.10179831	0	NA	NA	pg 1-8	2023
4	Dhandapani S	Identification and Comparison of Spine MRI Image with Soft Computing Approaches	IEEE XPLORE	IEEE	979-8-3503-8420-8	https://doi.org/10.1109/1CSSS58085.2023.10407970	0	NA	NA	pg 1-8	2023
5	Dhandapani S	Relative Analysis of VANET Algorithms	IEEE XPLORE	IEEE	979-8-3503-0816-7	10.1109/GCITC60406.2023.10426405	0	NA	NA	pg 1-8	2023
6	Dhandapani S	A Modified PRBS: Vertical Stacked LFSR Primitive Polynomial for Secure Data Communication	Procedia Computer Science	Elsevier	1877-0509	DOI:10.1016/j.procs.2022.12.097	0.883	215	C	947-954	2023
7	Dhandapani S	Design and analysis of Non vulnerable PRBS generation with internal shift and XOR of LFSR	Lecture notes in Electrical Engineering	Springer	978-981-99-8288-2	http://dx.doi.org/10.1007/978-981-99-8289-9_43	0	NA	NA	573-582	2024
8	S Praveenkumar	Performance study of visible communication through non-orthogonal multiple access (noma) LI-FI	Journal of Physics: Conference series	IOP	2484 012044	doi:10.1088/1742-6596/2484/1/012044	0.2	12044	2484	pg 1-8	2023
9	S. Praveenkumar, T. Aravind	Spying robot for the war field with a wireless night vision camer	AIP Conf. Proceedings	AIP Publishing	0094-243X	https://doi.org/10.1063/5.0198891	1.4	2935	1	272-278	2024
10	S. Praveenkumar, T. Aravind	Optimized Routing protocol for Enhanced Quality of Service in 6G Wireless Sensor Networks	IEEE Digital Explore	IEEE Xplore Digital Library	979-8-3503-6526-9	10.1109/1CNWC60771.2024.10537527	NA	NA	NA	pg 1-5	2024
11	S. Praveenkumar	Computational model of an inertially governed PDMS microchannel for blood cell sorting	AIP Conference Proceedings	AIP	0094-243X	https://doi.org/10.1063/5.0199484	0.7	2935	NA	20020	2024
12	S. Praveenkumar	Electrophoretic separation of platelets using cross flow microfluidic channel for clinical assays	AIP Conference Proceedings	AIP	0094-243X	https://doi.org/10.1063/5.0199454	0.7	2935	NA	20019	2024
13	S. Praveenkumar, T. Aravind	Design and development of effective arbitration system in a SoC	AIP Conference Proceedings	AIP	0094-243X	https://doi.org/10.1063/5.0199485	0.7	2935	NA	20020	2024
14	S. Praveenkumar, T. Aravind	Design and comparison of seutolerant 10T memory cell for radiation environment applications	AIP Conference Proceedings	AIP	0094-243X	https://doi.org/10.1063/5.0199486	0.7	2935	NA	20022	2024
15	S. Praveenkumar, T. Aravind	Energy-Efficient Communication Protocols for 6G Wireless Sensor Network	IEEE Digital Explore	IEEE Xplore Digital Library	979-8-3503-6526-9	10.1109/1CNWC60771.2024.10537356	NA	NA	NA	pg 1-5	2024

16	S. Praveenkumar, T. Aravind	Grossy Delaunay Trilateration enhancement Methods-Based on positioning of RSUs for optimum Lattice Capacity in VANETs	IEEE Digital Explore	IEEE Xplore Digital Library	979-8-3503-6526-9	10.1109/ICNWC60771.2024.10537328	NA	NA	NA	pg 1-7	2024
17	K Indhumathi	Analysis of PDMS based piezoelectric substrate for UHF RFID Tags	Smart Innovation Systems And Technologies Book Series	Springer	2190-3026	https://doi.org/10.1007/978-981-99-0264-4		342	2	261-267	2023
18	Indhumathi K	The Role of AI in Biochips for Early Disease Detection	IEEE XPLORE	IEEE	979-8-3503-4233-8	https://doi.org/10.1109/ICTACS59847.2023.10390419	0	NA	NA	1323-1328	2023
19	Indhumathi K	Breast Cancer Detection using RF Resonator in 5G Communication	IEEE Xplore	IEEE	979-8-3503-8564-9	https://doi.org/10.1109/ICICV62344.2024.00104	0	NA	NA	pg 1-5	2024
20	M. Vanitha	Dynamic Network Slice Orchestration using Gated Recurrent Units and Transformer-based Hybrid Model for IoT	IEEE Xplore	IEEE	979-8-3503-8420-8	10.1109/ICSSS58085.2023.10407310	0	NA	NA	pg 1-5	2023
21	K.Chanthirasekaran	Dynamic Individual User-Based Threshold Scheduler to Improve Error-Rate Performance for Multiuser MIMO System	IEEE Xplore	IEEE	979-8-3503-8420-8	10.1109/icsss58085.2023.10407088	0	NA	NA	pg 1-5	2024
22	C.T. Kalaivani, A.Anjaline Jayapraha	Prognosis of Breast Cancer Cells using Image Processing	IEEE Xplore	IEEE	978-1-6654-6408-6	https://doi.org/10.1109/ICCMC56507.2023.10083845	0	NA	NA	599-606	2023
23	C.T. Kalaivani, Shrivastav A.K, R. Renugadevi	Vivaldi Antenna Implementation for Rescue and See Through Wall Applications	IEEE Xplore	IEEE	978-1-6654-6408-6	https://doi.org/10.1109/ICCMC56507.2023.10083992	0	NA	NA	. 1021-1025,	2023
24	S.Kumaran	Transfer of Information using Blockchain Technology	IEEE Xplore	IEEE	979-8-3503-9663-8	https://doi.org/10.1109/ICCES57224.2023.10192594	0	NA	NA	564-569	2023
25	S.Kumaran	Integrating unmanned aerial vehicles into modern agrometeorological approach for precise, real time prediction in crop water	IEEE Xplore	IEEE	979-8-3503-0088-8	https://doi.org/10.1109/ICOSEC58147.2023.10276154	0	NA	NA	168-173	2023
26	S.Kumaran	The energy balance routing algorithm for wireless sensor network	IEEE Xplore	IEEE	979-8-3503-0088-8	https://doi.org/10.1109/ICOSEC58147.2023.10276034	0	NA	NA	540-545	2023
27	S.Kumaran	Crop Pest Control using IoT Real-Time Monitoring and Intervention	IEEE Xplore	IEEE	979-8-3503-1398-7	https://doi.org/10.1109/ICSCNA58489.2023.10370176	0	NA	NA	1552 - 1557	2023
28	S.Kumaran	Localization Accuracy Improvement in WSNs using Trilateration Techniques	IEEE Xplore	IEEE	979-8-3503-1398-7	https://doi.org/10.1109/ICSCNA58489.2023.10370575	0	NA	NA	81-86	2023
29	S.Kumaran	Indoor IoT Networks with Quality-of-ServiceDriven Optimized Visible-Light Communication and Positioning	IEEE Xplore	IEEE	979-8-3503-4023-5	https://doi.org/10.1109/ICACRS58579.2023.10404133	0	NA	NA	287-292	2023
30	S.Kumaran	An Intelligent Framework for Wireless Sensor Networks in Environmental Monitoring	IEEE Xplore	IEEE	979-8-3503-4023-5	https://doi.org/10.1109/ICACRS58579.2023.10404602	0	NA	NA	334-340	2023

31	S.Kumaran	Heart Rate Variability-based Machine Learning Approach for Sudden Cardiac Arrest Prediction	IEEE Xplore	IEEE	979-8-3503-4060-0	https://doi.org/10.1109/ICECA58529.2023.10395843	0	NA	NA	pg 1-5	2023
32	Amit Kumar Varshney	Innovative method of broad banding a helical-TWT	Journal of Physics: Conference series	IOP	1742-6596/	doi:10.1088/1742-6596/2484/1/012045	0.2	2484	01-Aug	12045	2023
33	P Baraneedharan	Effective reduction of power consumption with thermo electric module and wireless sensor nodes using embedded system	IEEE Xplore	IEEE	979-8-3503-9846-5	https://doi.org/10.1109/ICACCS57338.2023.10099582	0	NA	NA	pg 1-5	2023
34	P Baraneedharan	Analysis of the effect of IoT based wearables in healthcare applications	IEEE Xplore	IEEE	978-1-6654-6216-7	https://doi.org/10.1109/ICAIS56108.2023.10073791	0	NA	NA	137-146	2023
35	P. Baraneedharan	Internet of Things-Based Remote Weather Forecasting System Using Legacy Sensors	IEEE Xplore	IEEE	979-8-3503-9737-6	https://doi.org/10.1109/ICACCS57279.2023.10113052	0	NA	NA	2305-2309	2023
36	S.Kanagamalliga	Solar-Powered Mobile Phone Charger Tapping into Sustainable Energy	IEEE Xplore	IEEE	979-8-3503-1512-7	https://doi.org/10.1109/ICSCAN58655.2023.10395217	0	NA	NA	pg 1-5	2023
37	S.Kanagamalliga	Enhancing Traffic Surveillance and Urban Mobility with Vision-Based Vehicle Analysis	IEEE Xplore	IEEE	979-8-3503-1512-7	https://doi.org/10.1109/ICSCAN58655.2023.10394964	0	NA	NA	pg 1-5	2023
38	S.Kanagamalliga	Efficient Power Optimization in CNN Acceleration through Innovative Hardware Design	IEEE Xplore	IEEE	979-8-3503-1512-7	https://doi.org/10.1109/ICSCAN58655.2023.10395280	0	NA	NA	pg 1-5	2023
39	S.Kanagamalliga	Survey and Analysis of Real-Time Face Detection Techniques in Video Scenes: Current Advancements and Future Prospects	IEEE Xplore	IEEE	979-8-3503-1845-6	https://doi.org/10.1109/ICACIC59454.2023.10435279	0	NA	NA	pg 1-5	
40	S. Kanagamalliga	Fast R-CNN Approaches for Transforming Dental Caries Detection: An In-Depth Investigation	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-5084-5	10.1109/WiSPNET61464.2024.10532984	NA	NA	NA	pg 1-5	2024
41	S. Kanagamalliga	Revolutionizing Dental Caries Detection: An In-Depth Study of Neural Network Approaches	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-6482-8	10.1109/ic-ETITE58242.2024.10493572	NA	NA	NA	pg 1-5	2024
42	S. Kanagamalliga	Revolutionizing Security Measures for Enhanced Perimeter Protection and Intrusion Detection	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-2820-2	10.1109/ic-ETITE58242.2024.10493572	NA	NA	NA	pg 1-5	2024
43	N.Sugitha	An Optimized Neural Network Model to Classify Lung Nodules from CT-Scan Images	IEEE Xplore	IEEE Xplore Digital Library	978-981-97-2078-1	https://doi.org/10.1007/978-981-97-2079-8_32	NA	968	NA	425-435	2024
44	N.Sugitha	Detection of Plant Disease for Paddy Crop Using an Ensemble of CNNs	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-9470-2	doi: 10.1109/ICRTAC59277.2023.10480787.	NA	NA	NA	384-389	2024

45	N.Sugitha	Enhancing Smart Logistics and Fleet Management Using Internet of Things	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-7118-5	https://doi.org/10.1002/vnl.22107	NA	NA	NA	pg 1-11	2024
46	P Vinayagam	AES algorithm for the next generation of 5G network encryption standard	IEEE Xplore	IEEE	979-8-3503-1590-5	https://doi.org/10.1109/ACCAI58221.2023.10199794	0	NA	NA	pg 1-5	2023
47	P Vinayagam	Experimental Evaluation of IoT based Human Gender Classification and Record Management using Intelligent Hybrid Learning Principles	IEEE Xplore	IEEE	979-8-3503-1845-6	https://doi.org/10.1109/ICACIC59454.2023.10435260	0	NA	NA	pg 1-5	2023
48	P Vinayagam	Systematic Development of Modified Hybrid Learning based Detection Scheme for White Blood Cancer Cells using Medical Image Processing Methodology with IoT Alert Mechanism	IEEE Xplore	IEEE	979-8-3503-1845-6	https://doi.org/10.1109/ICACIC59454.2023.10435291	0	NA	NA	pg 1-5	2024
49	K.Mahendran	Performance Analysis of Massive MIMO Communication through OFDM and OQAM OFDM	IEEE Xplore	IEEE	979-8-3503-5976-3	10.1109/ICERCS57948.2023.10434203	0	NA	NA	pg 1-5	2023
50	K.Mahendran	Design of PET Substrate Based Independently Controllable Triangular DRA for Implantable Devices	IEEE Xplore	IEEE	979-8-3503-5976-3	10.1109/ICERCS57948.2023.10434135	0	NA	NA	01-Apr	2023
51	K.Mahendran	Stream lit-Powered Comprehensive Health Analysis and Disease Prediction System	IEEE Xplore	IEEE	979-8-3503-5976-3	10.1109/ICERCS57948.2023.10434221	0	NA	NA	pg 1-5	2023
52	Mahendran K	Review on Cardio Vascular disease prediction using ML algorithm	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICCCI56745.2023.10128403	0	NA	NA	pg 1-5	2023
53	Mahendran K	Design and Analyzing of hexagon shaped microstrip patch antenna for biomedical applications	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICCCI56745.2023.10128199	0	NA	NA	pg 1-5	2023
54	Sowmiya Manoj M	Design and Analysis of heart attack prediction system using ML	IEEE Xplore	IEEE	979-8-3503-9846-5	https://doi.org/10.1109/ICICACS57338.2023.10099819	0	NA	NA	pg 1-5	2023
55	Sowmiya Manoj M	A novel strategy to segment the retinal layers using convolutional neural network	IEEE Xplore	IEEE	979-8-3503-0009-3	https://doi.org/10.1109/ICESC57686.2023.10193358	0	NA	NA	847-852	2023
56	Sowmiya Manoj M	Wind energy into power using VAWT	IEEE Xplore	IEEE	979-8-3503-2284-2	https://doi.org/10.1109/ICPCSN58827.2023.00257	0	NA	NA	1543 - 1547	2023
57	G Keerthiga	Real time monitoring of transformer for industry using IoT	IEEE Xplore	IEEE	979-8-3503-3436-4	https://doi.org/10.1109/ICECONF57129.2023.10083759	0	NA	NA	pg 1-5	2023
58	G.Keerthiga	Energy-Efficient Electroencephalogram Signal Classification with Artificial Neural Networks and Fast Fourier Transform	IEEE Xplore	IEEE	979-8-3503-4023-5	10.1109/ICACRS58579.2023.10404549	0	NA	NA	978 - 983	2023
59	K.SAKTHI	Exploring Active Machine Learning Techniques to Boost Classification Accuracy in Image and Text Models	IEEE Xplore	IEEE	979-8-3503-8420-8	https://doi.org/10.1109/ICSSS58085.2023.10407201	0	NA	NA	pg 1-5	2023

60	K.SAKTHI	Microbial Inactivation Under Pulsed Electric Field For Food Treatment Using AI	IEEE Xplore	IEEE	979-8-3503-0551-7	https://doi.org/10.1109/EMENETech60402.2023.10423553	0	NA	NA	pg 1-5	2023
61	M Praveen	Brain tumor segmentation using convolutional neural network in MRI images based on deep learning	IEEE Xplore	IEEE	978-1-6654-9400-7	https://doi.org/10.1109/CAECT57570.2023.10118196	0	NA	NA	pg 1-5	2023
62	M Praveen	A Traffic Road Sign Recognition System using Raspberry Pi with OpenCV Libraries based on Embedded Technologies	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/CCCI56745.2023.10128214	0	NA	NA	pg 1-5	2023
63	M Praveen	Wireless Sensor Network and IOT Smart Irrigation System for Farming	IEEE Xplore	IEEE	979-8-3503-9849-6	https://doi.org/10.1109/CICT57646.2023.10134066	0	NA	NA	1246-1250	2023
64	T Archana	Analysis of multi-parameter in underground mines for miners safety monitoring system based on wireless sensor technology	AIP Conference Proceedings	American Institute of Physics	1551-7616	https://doi.org/10.1063/5.0198823	0.7	2935	1	-	2023
65	T Archana	IoT-Enabled Emergency Medical Service Alert System for Smart Cities	IEEE Xplore	IEEE	979-8-3503-8420-8	https://doi.org/10.1109/CSS558085.2023.10407705	0	NA	NA	pg 1-5	2024
66	T Archana	Wireless Sensor Network based Smart Greenhouse by Using Internet of Things	AIP Conference Proceedings	American Institute of Physics	1551-7616	https://doi.org/10.1063/5.0203352	0.7	2935	1	pg 1-5	2023
67	Srinivasan C	Smart Agriculture using Internet of Things	Signals and Communication Technology	Springer	978-3-031-47942-7	https://doi.org/10.1007/978-3-031-47942-7_30	NA	NA	NA	351-360	2023
68	Srinivasan C	Smart mirror monitoring using Raspberry Pi	IEEE Xplore	IEEE	979-8-3503-0009-3	https://doi.org/10.1109/CESC57686.2023.10192935	0	NA	NA	120-124	2023
69	Srinivasan C	Advanced driver assistance system in autonomous vehicles: A complete analysis	IEEE Xplore	IEEE	979-8-3503-9663-8	https://doi.org/10.1109/CCES57224.2023.10192617	0	NA	NA	1501-1505	2023
70	Srinivasan C	Internet of Things towards the implementation of a smart city	IEEE Xplore	IEEE	979-8-3503-2284-2	https://doi.org/10.1109/CPCSN58827.2023.00168	0	NA	NA	984-988	2023
71	Srinivasan C	Internet of things based smart refrigeration system	IEEE Xplore	IEEE	979-8-3503-3224-7	https://doi.org/10.1109/SOLI57430.2022.10295021	0	NA	NA	pg 1-4	2024
72	Srinivasan C,Immaculate Joy S	Machine Learning based Detection and Severity Classification of Knee Osteoarthritis	IEEE Xplore	IEEE	979-8-3503-5976-3	https://doi.org/10.1109/CERCS57948.2023.10434162	0	NA	NA	pg 1-5	2023
73	S. Imran Hussain	A Unified Approach for Detection of Children Emotion, Physiological and Security Using IoT	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-1909-5	10.1109/NEleX59773.2023.10421011	NA	NA	NA	pg 1-5	2024
74	S. Imran Hussain	Awake Guard: An Arduino-Based Real-Time System for Enhancing Driver Safety Through Drowsiness Detection	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-1909-5	10.1109/NEleX59773.2023.10421104	NA	NA	NA	pg 1-5	2024

75	S. Imran Hussain	Implementing OpenFlow, Exploring the Present and Future Software-Defined Networks Ecosystem	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-1399-4	10.1109/ICSCNA58489.2023.10370398	NA	NA	NA	280-285	2024
76	S. Imran Hussain	Revolutionizing Networking: An Exploration of Software-Defined Networking	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-4024-2	10.1109/ICACRS58579.2023.10404534	NA	NA	NA	1020-1026	2024
77	S. Imran Hussain	Intelligent Room Automation with IoT Integration: A Cisco Packet Tracer Simulation for Enhanced User Experience	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-4364-9	10.1109/ICIMIA60377.2023.10426428	NA	NA	NA	78-83	2024
78	A Elakkiya, Srigitha S Nath	Triple band terahertz metamaterial absorber within 0.4 to 0.46 THz frequency range	Journal of Physics: Conference series	IOP	2484 012020	doi:10.1088/1742-6596/2484/1/012020	0.2	12020	2484	pg1-8	2023
79	Latha R	A Medical Assisting System Using Augured Reality For Critical Analysis	IEEE Xplore	IEEE	979-8-3503-4821-7	https://doi.org/10.1109/ICCCI56745.2023.10128436	0	NA	NA	86-90	2023
80	Latha R	Cybersecurity Using Hybrid Type Model for Classification Through SCO Optimization Technique	IEEE Xplore	IEEE Xplore Digital Library	10.1109/IC2PCT60090.2024.10486307	10.1109/IC2PCT60090.2024.10486307	NA	NA	NA	1390-1396	2024
81	Mausam Chouksey	Enhancing Underwater Image Quality with Adaptive Gamma Correction, Retinex Sharpening, and NSST Fusion	IEEE Xplore	IEEE	979-8-3503-5084-5	DOI: 10.1109/WiSPNET61464.2024.10533173	0	NA	NA	NA	2024
82	A. J. Heiner	Wearable Smart Health Monitoring Transmitter and Portable Receiver Systems for Enhanced Wellness Insights	IEEE Digital Xplore	IEEE Xplore Digital Library	979-8-3503-4023-5	doi: 10.1109/ICACRS58579.2023.10404932.	NA	NA	NA	1558-1563	2024
83	M. Rohini	IOT Based Smart Car Parking System with the help of Sensor Networks	IEEE Xplore	IEEE	978-1-6654-6216-7	https://doi.org/10.1109/ICAIS56108.2023.10073729	0	NA	NA	57-60	2023
84	A.Anjaline Jayapraba	Design and Analysis of Hybrid Adder Using Power Gating Technique	AIP Conference Proceedings	American Institute of Physics	1551-7616	https://doi.org/10.1063/5.0196067	0.7	3037	1	-	2023
85	Immaculate Joy S	Revolutionizing Mine Safety and Operations Through Advanced Wireless Sensor Networks	IEEE Xplore	IEEE	979-8-3503-4363-2	https://doi.org/10.1109/ICIMIA60377.2023.10426294	0	NA	NA	1283-1288	2023
86	Immaculate Joy S	A Review on Diagnosing Gastric Cancer using a Tri-Algorithm Gastronet	IEEE Xplore	IEEE	979-8-3503-4363-2	https://doi.org/10.1109/ICIMIA60377.2023.10426208	0	NA	NA	1039-1048	2023
87	Immaculate Joy S	A Review on Ambulance Tracking System using GPS Technology Integrated with an Android Application	IEEE Xplore	IEEE	979-8-3503-4363-2	https://doi.org/10.1109/ICIMIA60377.2023.10425940	0	NA	NA	1296-1300	2023
88	S.Asha	Multi-Band Antenna Arrays for Seamless Connectivity in Internet of Things (IoT) Application	IEEE	IEEE Xplore Digital Library	979-8-3503-4060-0	10.1109/ICECA58529.2023.10395228	NA	NA	NA	1343-1348	2024

89	K.Arun Kumar	FPGA based power efficient approximate 4:2 compressor for multimedia applications	IEEE Xplore	IEEE	979-8-3503-4757-9	https://doi.org/10.1109/ICECAA58104.2023.10212132	0	NA	NA	1480-1484	2023
90	K.Arun Kumar	Enhancing Disease Detection Accuracy in Machine Learning through Low-Power Multipliers	IEEE Xplore	IEEE	979-8-3503-1398-7	10.1109/ICSCNA58489.2023.10370723	0	NA	NA	pg 1-5	2023
91	K.Arun Kumar	Energy-Efficient VLSI Hardware for Edge AI in Image Processing	IEEE Xplore	IEEE	979-8-3503-1398-7	https://doi.org/10.1109/ICSCNA58489.2023.10370425	0	NA	NA	1605-1611	2023
92	K.Arun Kumar	Design of Improvised DCM-based Tunable True Random Number Generator	IEEE Xplore	IEEE	979-8-3503-1398-7	10.1109/ICSCNA58489.2023.10370028	0	NA	NA	756-761	2023
93	K.Arun Kumar	Bio-Pi Cash: Next Gen Cardless ATM with Facial Recognition and Fingerprint Security using Raspberry Pi	IEEE Xplore	IEEE	979-8-3503-4023-5	10.1109/ICACRS58579.2023.10404290	0	NA	NA	273-281	2023
94	V.Subashree	Deep Learning-Based GYM Monitoring System using YOLOv5 and Pose Estimation Algorithm	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-4060-0	:10.1109/ICECA58529.2023.10394921	NA	NA	NA	697-702	2024
95	V.Subashree	Machine Learning Classifiers to Decrease Diabetic Patients Probability of Hospital Readmission	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-0009-3	10.1109/ICESC57686.2023.10193669	NA	NA	NA	771-776	2024
96	V.Subashree	Developing a Biomedical Circular Patch Antenna with a Low Sar Content	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-8793-3	10.1109/IC457434.2024.10486811	NA	NA	NA	86-93	2024
97	K. Nirmala Devi	Prediction of Leaf Disease and Pest Detection Using Deep Learning	AIP Conference Proceedings	AIP	1551-7616	https://doi.org/10.1063/50198895	0.7	<u>2935</u>	NA	20025	2024
98	K. Nirmala Devi	A Smart and Systematic Ration Grocery and Liquid Materials Vending Machine using Internet of Things	IEEE Xplore	IEEE Xplore Digital Library	979-8-3503-9470-2	10.1109/ICRTAC59277.2023.10480786	NA	NA	NA	778-783	2024
99	S Navaneethan	Identification of Malaria disease using Machine Learning Models	IEEE Xplore	IEEE	978-1-6654-9360-4	https://doi.org/10.1109/CECCT56650.2023.10179665	0	NA	NA	01-Apr	2023
100	S Navaneethan, Srigitha S Nath	Image display using FPGA with BRAM and VGA interface for multimedia applications	IEEE Xplore	IEEE	979-8-3503-9663-8	https://doi.org/10.1109/CCES57224.2023.10192822	0	NA	NA	77-83	2023
101	M Selvi	Design of inset fed Z slot compact microstrip patch antenna for IoT in health care application	IEEE Xplore	IEEE	979-8-3503-2579-9	http://dx.doi.org/10.1109/ICAISS58487.2023.10250494	0	NA	NA	1606-1610	2023
102	M Selvi	Novel dielectric resonator antenna design for identifying bosom malignant disease	IEEE Xplore	IEEE	979-8-3503-2579-9	https://doi.org/10.1109/ICAISS58487.2023.10250486	0	NA	NA	1386-1390	2024
103	M.Selvi	Review of Performance of LDPC Codes for Various OFDM Systems	IEEE Xplore	IEEE	979-8-3503-9523-5	https://doi.org/10.1109/CMCSI61536.2024.00136	0	NA	NA	864-869	2023

104	M.Selvi	Identification of Fatigue using Data Analytics and Machine Learning to Improve Worker's Health	IEEE Xplore Digital Library	IEEE Xplore Digital Library	979-8-3503-7274-8	10.1109/ICC-ROBINS60238.2024.10533972	NA	NA	NA	442-447	2024
105	A.Hema Malini	Enhancing Surveillance Systems with YOLO Algorithm for Real-Time Object Detection and Tracking	IEEE Xplore	IEEE	979-8-3503-4023-5	https://doi.org/10.1109/ICACRS58579.2023.10404710	0	NA	NA	1254 - 1257	2023
106	A.Hema Malini	Solar Powered Virtual Climatology Information System for Modern Airports	IEEE Xplore	IEEE	979-8-3503-8420-8	https://doi.org/10.1109/ICCSS58085.2023.10407090	0	NA	NA	pg 1-5	2023
107	A.Hema Malini	Enhanced Accuracy in Underwater Communication Prediction Utilizing LSTM Over	IEEE Xplore	IEEE	979-8-3503-4023-5	https://doi.org/10.1109/ICACRS58579.2023.10405	0	NA	NA	946-951	2023
108	K Padmapriya	RFID based feasible food calorie monitoring system using IoT	IEEE Xplore	IEEE	978-1-6654-9199-0	https://doi.org/10.1109/ICSCDS56580.2023.10104658	0	NA	NA	1175-1178	2023
109	K Padmapriya, C.T Kalaivani	Multipath TCP over network coding for wireless network	IEEE Xplore	IEEE	979-8-3503-9846-5	https://doi.org/10.1109/ICICACS57338.2023.10099667	0	NA	NA	pg 1-5	2023



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Publications 2024-2025 SCI

SN o.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI No	I.F	Vol	Issue	Page	YEAR
1	Dr.Srigitha S. Nath	Efficient nanoscale characterization of water surfaces using intelligent sampling and Bayesian optimization	Thermal science and Engineering progress	Elsevier	0972-8821	ep.2024.102676	5.1	3	52	102676	2024
2	Dr.Srigitha S. Nath	A fuzzy based efficient and blockchain oriented secured routing in vehicular Ad-Hoc networks	Iranian Journal of Fuzzy Systems		1735-0654	s.2024.48069.8461	1.9	21	6	15-31	2024
3	Dr.Srigitha S. Nath	Enhancement of photovoltaic performance of graphene-TiO2 photoanode for dye-sensitized solar cells (DSSCs)	Journal of Materials Science: Materials in Electronics	Elsevier	0957-4522	https://doi.org/10.1007/s10854-024-	2.8	36	89	178	2025
4	Dr.Srigitha S. Nath	Computational approaches to optimize polymerization and curing in low-temperature thermosetting composites for enhanced additive manufacturing efficiency	Thermal Science and Engineering Progress	Elsevier	24519049	https://doi.org/10.1016/j.tsep.2025.1	5.1	58			2024
5	Dr.Srigitha S. Nath	A privacy-preserving expert system for collaborative medical diagnosis across multiple institutions using federated learning	Scientific Reports	Nature Portfolio	2045-2322	rg/10.1038/s41598-024-		14	NA	22354	2024
6	Dr.Srigitha S. Nath	AI-enhanced thermal modeling for integrated process-product-system optimization in zero-defect manufacturing chains	Thermal Science and Engineering Progress	Elsevier	24519049	rg/10.1016/j.tsep.2024.1	5.1	55	NA	102945	2024
7	Dr. C. Sheeba Joice, Ms.Jaba Jasphin E T	Conditions Using Thermal Image Analysis and Deep Learning Algorithms	Journal of Plant Growth Regulation	Springer	0721-7595	https://doi.org/10.1007/s10070-024-	3.9			142	2024
8	Dr. C. Sheeba Joice, Mr.Srinivasan C	Bio-inspired optimizer with deep learning model for energy management system in electric vehicles	Computing: Informatics and International Journal of Advanced Manufacturing	Elsevier	2210-5379	rg/10.1016/j.suscom.2024.101616	3.8	45			2024
9	Dr. M. Selvi	Digital thread weaves reality in a closed-loop AI system for zero-defect hybrid production	of Advanced Manufacturing	Springer Nature	0268-3768	rg/10.1007/s100170-024-	3.5	Online	NA	NA	2024
10	Dr.S.Praveen Kumar	Bio-carbon-derived porous reduced graphene oxide photoand electrochemical sensor for ultra-sensitive detection of testosterone hormone	Chemical Papers	Springer Nature	0366-6352	https://doi.org/10.1007/s11696-024-	2.1	78		9543–9557,	2024
11	Dr.S.Praveen Kumar	Physical, optical, and luminescent characteristics of Sm ³⁺ doped tellurite glass suitable for yellow laser, warm white LED, and radiation shielding applications	Optics and Laser technology	Elsevier	1879-2545	rg/10.1016/j.optlastec.2024.112111	4.6	182	A	112111	2024
12	Dr.S.Praveen Kumar	The effect of Ce ³⁺ ions on the optical, and radiation shielding properties in Ba–Sn borophosphate glass	Radiation Physics and Chemistry	Elsevier	0969-806X	rg/10.1016/j.radphysche	2.8	226		112357	2024
13	Dr.S.Praveen Kumar	Investigation on dysprosium (Dy ³⁺) doped lithium boro-phosphate glass for light-emitting diode (LED) and supercapacitor applications	Journal of Materials Science: Materials in Electronics	Springer	0957-4522	https://doi.org/10.1007/s10854-024-	2.8	35	28		2024

14	Dr.S.Praveen Kumar	Catalyst efficiency through the disorder kinetics to identify its nonlinearity in their properties of Ag ₃ PO ₄ @TiO ₂ catalyst using UV–visible spectroscopy	Zeitschrift fur Physikalische Chemie	De Gruyter (O	2196-7156	https://doi.org/10.1515/zpch-2024-00542	3					2024
15	Dr.S.Praveen Kumar	Microfluidic separation device for blood components with lipids and cancer cells	Microsystem Technologies	Springer Nature	0946-7076	https://doi.org/10.1007/s00542-024-00542-4	1.6	NA	NA			2024
16	Dr.S.Praveen Kumar	Synthesis, Growth, Structural , thermal, Electrical and optical properties of organic NLO: N'Methyl urea oxalic acid	Journal of Optics	IOP	2040-8978	https://doi.org/10.1007/s12596-024-00542-4						2024
17	Dr.S.Praveen Kumar	Synthesis structural optical and mechanical properties of Nb ³⁺ doped Zinc Borophosphate glass for radiation shielding application	Zeitschrift für Physikalische Chemie	Zeitschrift für Physikalische Chemie	2196-7156	https://doi.org/10.1515/zpch-2023-00542		238	3			2024
18	Dr.S.Praveen Kumar	Holmium ions influence in structural and optical properties of Aluminium Strontium-phosphate glasses for radiation shielding applications	Inorganic Chemistry Communications	Elsevier	13877003	https://doi.org/10.1016/j.inoche.2024.113483	4.4	170	3		113483	2024
19	Dr.S.Praveen Kumar	Investigation of structural, optical characteristics of Gd ³⁺ doped phosphate glass for radiation shielding applications	Inorganic Chemistry Communications	Elsevier	1387-7003	https://doi.org/10.1016/j.inoche.2024.113102	4.4	169	113102		358-365	2024
20	Dr.M.Vanitha	Bio-cellulose-derived rGO-supported SmCoO ₃ hybrid composite photoanode for high performance dye-sensitized solar cells	Journal of Materials science: Materials in Electronics	Springer	1573-482X	https://doi.org/10.1007/s10854-024-00542-4	2.8	35			1186	2024
21	Dr.M.Vanitha	Automatic Skin Tumor detection in dermoscopic samples using online patch fuzzy region based segmentation	Processing and Control	Elsevier Science	1746-8094	https://doi.org/10.1016/j.bspc.2024.107096	4.9	100	Part a		107096	2024
22	Dr.T.Aravind	Utilization of functionalized paper-based microfluidic devices for the detection and characterization of starch in milk	Digest Journal of Nanomaterials and Biostructures		1842-3582	SCI, Scopus, AU Annexure						2024
23	Dr.T.Aravind	Comprehensive analysis of (E)-3-(4-chlorophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one (4CP4MPO): Synthesis, Spectroscopic, salvation electronic properties, electron-hole transition, topological, Hirshfeld surface and molecular docking	Chemical physics impact	Elsevier Science	2667-0224	10.1016/j.chphi.2023.100452						2024
24	Dr.T.Jaya	Data augmentation using a 1D-CNN model with MFCC/MFMC features for speech emotion recognition	Automatika	Taylor & Francis Ltd	0005-1144	https://doi.org/10.1080/00051144.2024.2060915					425-435	2024
25	Dr.T.Jaya	Ciot-Based Early Diagnosis Of Heart Failure From Multimodal Data Using Chi-Square-Based Deep Neural Classifier	International Journal of Robotics and Automation	Acta Press	2667-0224	https://doi.org/10.1007/s11517-025-00542-4	39				464-472	2024
26	Dr.T.Jaya	Scalable Multi-Clustering Aggregation Scheme in WSN Using Machine Learning	Turkish Journal of Engineering	Journal of Engineering	2587-1366	https://doi.org/10.31127/tuje.148819	3.142.	9	1		103 - 115	2025
27	Dr.T.Jaya	Design and fabrication of rGO supported cobalt ferrite hybrid sensor for ultrasensitive detection of testosterone	Ionics		0947-7047	https://doi.org/10.1002/vnl.22107	2.6	31			2953–2968	2025
28	Dr.K.Chanthirasekaran	Synthesis of flexible magneto-electric polyvinyl alcohol composites using hybrid filler particles of carbon quantum dots and cobalt nano for electromagnetic interference shielding application	Journal of Vinyl and Additive Technology	Wiley	1083-5601	https://doi.org/10.1002/vnl.22107		30				2024
29	Dr.K.Chanthirasekaran	An Effective Resource Allocation Framework for D2D Communication in 5G Wireless Personal Area Network With Hybrid Optimizer	International Journal of Communication Systems		1074-5351							2024

46	Dr.M.Thirumalai	Dynamic Optimization and Placement of Renewable Generators and Compensators to Mitigate Electric Vehicle Charging Station Impacts Using the Spotted Hyena Optimization Algorithm	Sustainability.	MDPI	2071-1050	https://doi.org/10.3390/su16198458	3.3	16	19	8458	2024
47	Mr.K.Arun Kumar	Design and fabrication of magnetically recoverable SnO2/CoFe2O4 nanocomposite for enhanced visible light-driven wastewater treatment	Inorganic Chemistry Communications	Sciencedirect	1387-7003	https://doi.org/10.1016/j.inoche.2024.111304	4.4	166	4.4	112657	2024
48	Mr.K.Arun Kumar	Bio-waste derived 2 D rGO sheet supported Co9Se8 hybrid composite electrode for high performance supercapacitor applications	Diamond & Related Materials	Elsevier	0925-9635	https://doi.org/10.1016/j.diamond.2024.111304	4.3	147		111304	2024
49	Mr.K.Arun Kumar	Analysis of Data Science and AI-enabled 6G Wireless Communication Networks	Communications Systems	Allerton Press Inc	0735-2727	https://doi.org/10.3103/S0735272724000022	NA	NA	NA	223-232	2024
50	Ms.G.Keerthiga	Evaluating FPGA-Based Denoising Techniques for Improved Signal Quality in Electrocardiograms	Circuits and Signal Processing	Springer	1030,1573-1979	https://doi.org/10.1007/s10470-024-0722-9	1.2	120		93-107	2024
51	Ms.G.Keerthiga	An efficient ranking based binary salp swarm optimization for feature selection in high dimensional datasets	Measurement: Sensors	Elsevier	2665 - 9174	https://doi.org/10.1016/j.measen.2024.101291	5	35		101291	2024
52	Ms.G.Keerthiga	Leveraging machine learning for sustainable integration of renewable energy generation	Electrical Engineering and Computer Science	Journal of Electrical	25024752, 25024760						2024
53	Ms.G.Keerthiga	A Novel Fuzzy-based Spectrum Allocation (FBSA) Technique for Enhanced Quality of Service (QoS) in 6G Heterogeneous Networks	of Advanced Computer Science and Applications		21565570, 2158107X	10.14569/IJACSA.2024.0150690	0.7	15	6	888–896	2024
54	Dr. M. Selvi, Ms.A.Hema Malini	Dual-Discriminator Conditional Generative Adversarial Network based LDPC-Coded OFDM Free-Space OCS for Improving BER Analysis	IETE Journal of Research	IETE Journal of Research	0377-2063.	https://doi.org/10.1080/03772063.2024.111664-024-11257-9	1.3			1–9.	2024
55	Mr.M.Praveen	Fabrication of Ultrathin rGO Sheet-Wrapped Mixed-Phase MnSe2/CoSe2 Nanocomposite for High-Performance Supercapacitor Electrodes with Long-Term Stability	Journal of Electronic Materials	Springer Nature	0361-5235	https://doi.org/10.1007/s11664-025-11810-0	0.021	53	NA	5273–5285	2024
56	Mr.M.Praveen	rGO/Ce-Zn2SnO4 Composite: A High-Performance Photoanode for Enhanced Solar Energy Conversion in Dye-Sensitized Solar Cells	Journal of Electronic Materials	Elsevier	3615235	https://doi.org/10.1016/j.jksus.2024.106459	2.2	54		2857-2869	2024
57	Ms.Archana T	Surface properties enhancements by optimizing synthesizing parameters of AA8026 + Zr2O3/TiO2 hybrid composite	Journal of King Saud University - Science,	Elsevier	0947-7047	https://doi.org/10.1016/j.bspc.2024.106459	3.6	36	7	103266	2024
58	Dr.K.Gokulkannan	Leukemia Net: Integrating attention depth wise Separable network-aided stacked feature pooling with weighted recurrent neural network-based leukemia detection model	Biomedical Signal Processing and Control	Elsevier	1746-8094	https://doi.org/10.1016/j.bspc.2024.106459	Volume 96				2024
59	Dr.K.Gokulkannan	Cost effective cloud-based data storage scheme with enhanced privacy preserving principles	The Scientific Temper	Scientific Publ Co Pte Ltd	2231-6396, 0976-8653	NA	NA	NA	NA	80-85	2024
60	Dr.K.Gokulkannan	Integrating Li-Fi for enhanced security in MANET data transmission	Journal of Optics (India)	Springer	0972-8821	https://doi.org/10.1007/s12596-024-01259-6	1.6	NA	NA		2024
61	Dr.K.Gokulkannan	IoT Based Sustainable Smart City Lighting and Data Transmission through Integration of Solar – Powered LED Streetlights with VLC Technology	Journal of Optics (India)	Springer	0972-8821	https://doi.org/10.1007/s12596-025-01259-6	1.6	NA	NA	4	2025

	Mr.Kannan R	PDQRRFF: Poisson-distributed quantum random reversible flip flop generator for BIST	Integration	Elsevier	0167-9260	https://doi.org/10.1016/j.vlsi.2024.106670	2.2	100		102289	2024
62	Ms.Immaculate Joy S	Optimized feature selection for enhanced accuracy in knee osteoarthritis detection and severity classification with machine learning	Biomedical Signal Processing and Control	Elsevier	1746-8094	https://doi.org/10.1016/j.bspc.2024.106670	4.9	97		106670	2024
63	Ms.Immaculate Joy S	Detection and classification of electrocardiography using hybrid deep learning models	Hellenic Journal of Cardiology		2241-5955	https://doi.org/10.1016/j.hjc.2024.08102289	2.7	81	1	75-84	2025
64	Ms.Immaculate Joy S	Cardiology and Neurophysiological Stimulation of Internet Gaming Disorders: A Systematic Review	Current cardiology reviews	Bentham Science	1875-6557	10.2174/011573403X2902404352	2.4	20	5	43-52	2024
65	Ms.Immaculate Joy S	FPGA-Based Implementation of Real-Time Cardiologist-Level Arrhythmia Detection and Classification in Electrocardiograms Using Novel Deep Learning	International Journal of Circuit Theory and Applications	Wiley	0098-9886	https://doi.org/10.1002/cta.4289	2.3				2024
67	Ms.R. Sugunadevi	Quantum-Enhanced Deep Learning Framework (QDLF): A Hybrid Approach for Advanced Skin Cancer Detection and Image Classification	Health Informatics Journal	Frontiers in Health Informatics	2676-7104	https://doi.org/10.52783/fhi.1161	7.7	13	4	NA	2024
68	Gandhimathinathan A	Sensor Anomaly Detection in Nuclear Power Plant Using Deep LSTM Denoising Autoencoder and Isolation Forest	IEEE Sensor Letter	IEEE Sensor Letter	2475-1472	ENS.2024.3496540					2024
69	Dr.Nirmala Devi K	Investigating the Impact of Fe-Doped GaN and β -Ga ₂ O ₃ Buffer Layers on a Laterally Scaled AlN/GaN HEMT Using Silicon	Journal of Electronic Materials	Journal of Electronic Materials	9045	https://doi.org/10.1007/s10854-024-10854-024-10854-024	2.2	54	NA	2355-2367	2024
70	Dr.S.Navaneethan	A novel approach to node coverage enhancement in wireless sensor networks using walrus optimization algorithm	Results in Engineering	Elsevier	25901230	https://doi.org/10.1016/j.rineng.2024.10854-024	6	24	NA	103143	2024
71	Dr.S.Navaneethan	Fabrication of nanoarchitectures for next-generation supercapacitors: interconnected Zn ₂ SnO ₄ and 2D rGO for enhanced energy storage performance	Journal of Materials Science: Materials in Electronics	Springer	0957-4522	https://doi.org/10.1007/s10854-024-10854-024-10854-024	2.8	35	2.8	1190	2024

Publications 2024-2025 SCOPUS

SN o.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI No	I.F	Vol	Issue	Page	YEAR
1	Dr.S.Praveen Kumar	Growth, mechanical, thermal, electrical, linear, and nonlinear optical studies of urea resorcinol single crystals for NLO applications	Chemical Physics Impact	Elsevier	26670224	https://doi.org/10.1016/j.chphi.2024.100554	3.8	8	100554	2667-0224	2024
2	Dr.S.Praveen Kumar, Dr.T.Aravind	Design of Chevron Electrothermal Microgripper and its Prototyping Using SLM Based Additive Manufacturing	Transactions on Electrical and Electronic Materials	Springer Nature	12297607	https://doi.org/10.1007/s42341-024-00552-1	1.6		25	685-694	2024
3	Dr.S.Praveen Kumar	Effect Of Drug Flow In Bevel Tip Hollow Microneedle	Journal of the Balkan Tribological Association	Balkan Tribological	13104772						2024
4	Dr.S.Asha	Performance Enhancement of High-gain STDA Antennas with Reflector for 4G LTE and Sub-6GHz5G Applications: Design, Measurement, and Analysis	Progress In Electromagnetics Research C	Electromagnetics Acad	1559-8985	doi:10.2528/PIERC23102001		139	2	87-94	2024
5	Dr.M.Vanitha	Cryptography in the cloud: securing cloud data with encryption	International Journal of Electronic Security and Digital Forensics	Inder Science	17519128	https://doi.org/10.1504/IJESDF.2024.140744	0.5	16	5	577-589	2024
6	Dr.K.Chanthirasekaran	Exploring The Feasibility Of Distributed Ledger Technology For Tamper-Proof Logging In Manets: Challenges And Solutions	Journal of Environmental Protection and Ecology	Scibulcom Ltd.	1311-5065	10.1109/INFCO MW.2019.8845169	0.59	25	6	2119-2132	2024
7	Dr.K.Chanthirasekaran	Forecasting of Stock Volatility using Deep Learning Model with Likelihood-Based Loss Function	Communication and Intelligent system	Springer	978-981-97-2081-1	https://doi.org/10.1007/978-981-97-2082-8_6	NA	969	NA	81-100	2024
8	Dr.R.Vinod Kumar	Advanced Beamforming and Multi-Access Edge Computing: Empowering Ultra-Reliable and Low - Latency Applications in 6G Networks	International Journal of Communication System	International Journal of Communication	1074-5351	https://doi.org/10.1002/dac.6027	0.8			1011 - 1039	2024
9	Dr P Baraneedharan	Assessment of genome mutation analysis for tumor-informed detection of circulating tumor DNA in patients with breast cancer	Clinica Chimica Acta,	Elsevier		https://doi.org/10.1016/j.cca.2024.119818	3.2	561	NA	119818	2024
10	Dr P Baraneedharan	Enhanced non-enzymatic multicomponent detection via one-step hydrothermal synthesis of widely dispersed Zn-SnO2 nanoparticles on nitrogen-doped reduced graphene oxide	Materials Research Innovations	Na	0925-3467	https://doi.org/10.1080/14328917.2024.2383810	0.34	29	2	99-104	2024
11	Dr P Baraneedharan	Transition metal oxides/sulfides electrode-based supercapacitors	Supercapacitors: Materials, Design, and Commercialization		978-0-443-15478-2	https://doi.org/10.1016/B978-0-443-15478-2.00009-7	NA	NA	2024	93-123	2024
12	Dr.S. Kanagamalliga	Traffic Management through Cutting-Edge Vehicle Detection, Recognition, and Tracking Innovations	Procedia Computer Science		1877-0509	https://doi.org/10.1016/j.procs.2024.03.268	NA	233	NA	793-800	2024
13	Dr.S. Kanagamalliga	Development of an Interactive Road Safety System Using a Smart Helmet for Bike Users to Avoid Bike Accidents	Communications in Computer and Information Science	in Computer and Information Science	1865-0929						2024
14	Dr.S. Kanagamalliga	Fuel Cell Electric Vehicle Characterization and Analysis of Battery SoC for Different Drive Cycle	Lecture Notes in Networks and Systems	Springer	978-981-97-3990-5	https://doi.org/10.1007/978-981-97-3991-2_29	0.36	1037	NA	335-344	2024
15	Dr.S. Kanagamalliga	Adoption of fuel cell technology in the global transportation landscape	Renewable Energy for Plug-In Electric Vehicles	Elsevier	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00017-2	NA	NA	NA	285-295	2024

16	Dr.N.Sugitha	Crime Rate Analysis and Mapping from Socio-Economic Data Using Deep Neural Networks	Journal of Computer Science	Science Publication	1549-3636	https://doi.org/10.3844/jcssp.2024.1203.1213	2.5	20	10	1203-1213	2024
17	Dr. K. Michael Mahesh	Deep learning-based energy prediction and tangent search remora optimization-based secure multi-path data communication mechanism in WSN	Network: Computation in Neural Systems	Taylor & Francis Inc	0954-898X, 1361-6536	https://doi.org/10.1080/0954898X.2024.2393750	1.1				2024
18	Dr. Arun Pradeep	KLOA: Improving VANET Security Against Social Engineering Attacks through Strategic Optimization	Big Data Innovation for Sustainable Cognitive Computing - EAI BDCC	Big Data Innovation for Sustainable	2522-8595						2024
19	Dr. P. Muthuvel	Optimizing Road Networks: A Graph-Based Analysis with Path finding and Learning Algorithms	International Journal of Intelligent Transportation Systems Research	International Journal of Intelligent	13488503						
20	Dr. K. Mahendran	Deep Adaptive Learning-Based Beam Combining Framework for 5G Millimeter-Wave Massive 3D-MIMO Uplink Systems	Transactions on Emerging Telecommunications Technologies	Wiley	2161-3915	https://doi.org/10.1002/ett.70030	6.66	35	12	e70030	2024
21	Ms.A.Hema Malini	FPGA-enhanced system-on-chip for finger vein-based biometric system using novel DL model	Integration	Science Direct	0167-9260	https://doi.org/10.1016/j.vlsi.2024.102231	2.2	98	2.2	102231	2024
22	Dr.S. Praveenkumar, T. Archana	Optimizing Microfluidic Channel Design with High-Performance Materials for Safe Neonatal Drug Delivery	Recent Advances in Drug Delivery and Formulation	National Library Of Medicine	26673878	10.2174/012667387829296224071	4.8	18	4	294-303	2024
23	Dr.U. Hari	Enhancing single image dehazing with self-supervised convolutional neural network and dark channel prior integration	International Journal of Electrical and Computer Engineering (IJECE)	Advanced Engineering And Science (IAES)	2088-8708	http://doi.org/10.11591/ijece.v15i1.pp520-528	4.1	15	1	520-528	2025
24	Dr. Manikandan S P	Deep learning for skin melanoma classification using dermoscopic images in different color spaces	International Journal of Electrical and Computer Engineering (IJECE)		2088-8708	http://doi.org/10.11591/ijece.v15i1.pp319-327	1.94	15	1	319~327	2024
25	Ms.G Arokia Nerlin Rasoni	Intruder identification using feed forward encasement-based parameters for cybersecurity along with IoT devices	Measurement: Sensors	Elsevier	2665-9174	https://doi.org/10.1016/j.measen.2024.101035		32	NA	101035	2024
26	Ms.Immaculate Joy S, Kanagamalliga S	Advancements in Remote Heart Monitoring: Wearable Technology and AI-based Approaches for Cardiovascular Disease Detection	AI in the Social and Business World: A Comprehensive Approach-book by Bentham Science	BENTHAM Science	NA	10.2174/9789815256864124010006	NA	16	NA	102-117	2024
27	Ms.R. Sugunadevi	Fusion based multi objective multithresholding for underwater animal segmentation using bio inspired search algorithm	Recent Innovations in Sciences and Humanities: Highlights the state-of-art	SAGE	100360661-1, 978-	10.1109/CYBERCOM63683.2024	NA	NA	NA	436-440	2024
28	Dr.S.Navaneethan	Internet of Things Assisted Sleep Quality Recognition using Hunger Games Search Optimization with Deep Learning on Smart Healthcare Systems	Journal of Intelligent Systems and Internet of Things	American Scientific	2690-6791	https://doi.org/10.54216/JISIoT.140110	7.9	14	1	129-140	2025

Publications 2024-2025 Conference

SNo.	Authors	Title of the Paper	Journal	Publisher	ISSN/ ISBN	DOI No	I.F	Vol	Issue	Page	YEAR
1	Dr.Srigitha S. Nath	Brain Tumor Localization and Multimodal Segmentation in MRI Images by Automated Process	IEEE Xplore	IEEE Xplore	979-8-3503-5968-8	10.1109/ICKECS6149.2024.10622024.106	NA	NA	NA	1-7	2024
2	Dr.Srigitha S. Nath	Antenna design for dual band filtering with H-shaped slot and symmetric OSCF	AIP Conference proceedings		0094-243X		0.7	NA	NA	1-5	2024
3	Dr.Srigitha S. Nath	Drowsiness detection system using image processing	AIP Conference proceedings		0094-243X		0.7	NA	NA	1-7	2024
4	Dr.Srigitha S. Nath	Crlh-Tl multiband antenna design for 4G and 5G mobile applications	AIP Conference proceedings		0094-243X		0.7	NA	NA	1-7	2024
5	Dr. C. Sheeba Joice	Unveiling Clarity: A Survey on Haze Removal Techniques Using Deep Learning Approaches	Communication and Intelligent system	Springer	978-981-97-2081-1	https://doi.org/10.1007/978-981-97-2081-1	NA	969	NA	81-100	2024
6	Dr. C. Sheeba Joice	Deep Learning-Based Facial Expression Recognition System for Age, Gender, and Emotions	"Smart Innovation, Systems and Technologies	Springer	2190-3018	https://doi.org/10.1007/978-981-97-2081-1	1.2	409	NA	103-114	2024
7	Dr. C. Sheeba Joice	Feature Selection and Classification to Detect Fetal Abnormalities	Lecture Notes in Networks and Systems	Springer, Singapo	2367-3370	https://doi.org/10.1007/978-981-97-2081-1	0.6	971	NA	239-251	2024
8	Dr. C. Sheeba Joice, Mr.Srinivasan C	Modeling of High-Efficiency Battery Charger for Light EVs Using MATLAB/SIMULINK	Lecture Notes in Networks and Systems		978-981-97-2052-1	https://doi.org/10.1007/978-981-97-2052-1	0.36	1	NA	829-843	2024
9	Dr. C. Sheeba Joice	Surveying Strategies: Detecting Sinkhole Attacks in IoT Networks	Communication and Intelligent system	Springer	2367-3370	https://doi.org/10.1007/978-981-97-2081-1	NA	969	NA	101-121	2024
10	Dr. C. Sheeba Joice	A Comprehensive Review of Various SRAM Using Power Gating Technique	IEEE Digital Xplore		979-8-3503-8960-9						2024
11	Dr. C. Sheeba Joice	A Comprehensive Review of Image Encryption Algorithms: Techniques and Applications	IEEE Digital Xplore		979-8-3503-8960-9						2024
12	Dr.S. Dhandapani	Body language recognition using machine learning	AIP Conference Proceedings	AIP	1551-7616	https://doi.org/10.1063/5.0215960	0.7	3122	1		2024
13	Dr.S. Dhandapani	Performance Improvement of Data Secure Access Using Wireless Light Fidelity	IEEE Xplore	IEEE Xplore	979-8-3503-8579-3	10.1109/ICOECA6235	NA	NA	NA	149-153	2024
14	Dr.S. Dhandapani	Bluetooth based home automation	AIP Conference proceedings		0094243X						2024
15	Dr. M. Selvi	Improving the Power Efficiency in OFDM System using LDPC codes	IEEE Xplore	IEEE Xplore	979-8-3503-6526-9	10.1109/ICAAIC6022.2024.10522024.105	NA	NA	NA	1717-1723	2024

16	Dr. M. Selvi	Luminescent properties of CaS and Ca(x)Sr(1-x)S:Eu red emitting sulfide phosphors	IEEE Xplore Recent Innovations in Sciences and	IEEE Xplore	979-8-3503-6526-9	10.1109/ICAAIC6022.2024.105	NA	NA	NA	1717-1723	2024
17	Dr. M. Selvi	Review of Error Analysis of FSO OFDM System	IEEE Digital Xplore	IEEE Xplore	978-1-0036-0661-1	NA	book				2024
18	Dr. M. Selvi	FPGA-based OFDM Systems for 5G and High-Speed Communication: A Comprehensive Review	IEEE Digital Xplore	IEEE Xplore	NA	10.1109/ICDICI62993	NA	NA	NA	348-355	2024
19	Dr. M. Selvi	A Review of Resource Allocation of OFDMA using LDPC Codes	IEEE Digital Xplore	IEEE Xplore	NA	10.1109/ICECA63461	NA	NA	NA	232-237	2024
20	Dr. M. Selvi	Classification of Brain Tumor Detection Techniques - A Review	IEEE Digital Xplore	IEEE Xplore	NA	10.1109/ICECA63461	NA	NA	NA	219-225	2024
21	Dr. S. Praveenkumar, T Adavind	Design and analysis of micro cantilever based piezoresistive sensor	IEEE Digital Xplore	IEEE Xplore	NA	10.1109/CCTES.2018.8	NA	NA	NA	300-303	2024
22	Dr. S. Praveenkumar, D.Lingaraja,Dinesh	Design and analysis of paper-based microfluidic channel to detect potassium concentration in human sweat	AIP Conference proceedings		0094243X		0.7				2024
23	Dr.K.Indhumathi	Optically Transparent UWB Antennas for 6G Applications	AIP Conference proceedings		0094243X		0.7				2024
24	Dr.M.Vanitha	Traditional Work Station System with AI based Crypto Mining	IEEE Digital Xplore	IEEE Xplore	979-8-3503-6526-9	10.1109/ICACCS6087.4.2024.107	0	0	0	1282-1287,	2024
25	Dr.T.Jaya	Advanced Diabetic Retinopathy Classification Using Context-Gated Dilated Convolutional Network	IEEE Digital Xplore	IEEE Xplore		10.1109/ICACRS6284.2.2024.108	NA			672-676	2025
26	Dr.T.Jaya	A Machine Learning Approach for Crop Yield Prediction Using Weather Condition	IEEE Digital Xplore	IEEE Xplore	979-8-3503-7988-4	http://dx.doi.org/10.1109/ic2i663243	NA	NA	N	10895830	2025
27	Dr.T.Jaya	BTOA-CPR: A Smart Hybrid Optimization Approach for Power-Delay Aware Mapping in 3D NoC Architectures	IEEE Digital Xplore	IEEE Xplore	979-8-3503-8723-0	http://dx.doi.org/10.1109/areis62559	NA	NA	N	10893606	2025
28	Dr.T.Jaya	Energy Conserving Trust Routing Based-Artificial Rabbits Optimization in WSN	IEEE Digital Xplore	IEEE Xplore	979-8-3503-8723-0	http://dx.doi.org/10.1109/areis62559	NA	NA	N	10893675	2025
29	Dr.T.Jaya	Enhanced Banyan Tree Algorithm with Wavelet Neural Network for Vertical Handover in Heterogeneous Networks	IEEE Digital Xplore	IEEE Xplore	979-8-3503-8723-0	http://dx.doi.org/10.1109/areis62559	NA	NA	N	10893669	2025
30	Dr. S.Kumaran	A college enquiry text-based AI chatbot using python	IEEE Digital Xplore	IEEE Xplore	979-8-3503-8723-0	http://dx.doi.org/10.1109/areis62559	NA	NA	N	10893678	2025
31	Dr. S.Kumaran	Assisting visually impaired people in public transport system through RF-Communication and embedded system	AIP Conference proceedings		0094243X, 15517616		0.7				2024

32	Dr. S.Kumaran	Improving Agricultural Productivity with CNN-Based Plant Disease Recognition System	AIP Conference proceedings		0094243X, 15517616		0.7				2024
33	Dr. S.Kumaran	A Novel Automated Approach for Leukemia Diagnosis using Digital Image Processing and Machine Learning	IEEE Digital Xplore	IEEE Xplore	979-8-3503-6842-0	SSAS64001.2024.1076	NA	NA	NA	289-294	2024
34	Dr. S.Kumaran	Design of Highway Automated Toll Assortment Scheme for Intelligent Transportation Systems	IEEE Digital Xplore	IEEE Xplore	979-8-3503-6842-0	SSAS64001.2024.1076	NA	NA	NA	991-996	2024
35	Dr. S.Kumaran	Deep Learning Enhanced Signal Processing Techniques for WBAN-Enabled Telemedicine Applications	IEEE Digital Xplore	IEEE Xplore	979-8-3503-7999-0	SCSS60660.2024.1062	NA	NA	NA	1230-1235	2024
36	Dr. S.Kumaran	Smart Healthcare: Machine Learning Enabled WBAN for Early Detection of Chronic Diseases	IEEE Digital Xplore	IEEE Xplore	979-8-3503-7999-0	SCSS60660.2024.1062	NA	NA	NA	1010-1015	2024
37	Dr. S.Kumaran	Enhancing Team Productivity with Synergistic Work Patterns using Genetic Algorithms	IEEE Xplore	IEEE Xplore	979-8-3503-7999-0	SCSS60660.2024.1062	NA	NA	NA	998-1003	2024
38	Dr. S.Kumaran	Data-Driven Decisions: Integrating Machine Learning into Human Resource and Financial Management	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4067-8	10.1109/ICoICI62503.	NA	NA	NA	757-762	2024
39	Dr. S.Kumaran	AI-Driven Financial Management Optimizing Investment Portfolios through Machine Learning	IEEE Xplore	IEEE Xplore		10.1109/ICCPCT6190	NA	NA	NA	1829-1834,	2024
40	Dr. S.Kumaran	Implementing TACH-O-MATIC for Real-Time Bicycle Speed and Distance Monitoring	IEEE Xplore	IEEE Xplore		10.1109/ICCPCT6190	NA	NA	NA	1822-1828	2024
41	Dr.Srigitha S. Nath, Dr. S.Kumaran	Enhancing Patient Privacy in Wireless Body Area Networks Using Block chain and AI-Powered Encryption	IEEE Digital Xplore	IEEE Xplore	NA		NA	NA	NA	1-5	2024
42	Dr.Srigitha S. Nath, Dr. S.Kumaran	Continuous Oxygen Saturation Monitoring Using WBAN and Particle Swarm Optimization	IEEE Digital Xplore	IEEE Xplore	NA	10.1109/ICSPCRE623	NA	NA	NA	1-7	2024
43	Dr.R.Vinod Kumar	Data Gathering Protocol Via Heterogeneous Mobile Wireless Sensor Networks with an Energy Efficient	IEEE Digital Xplore	IEEE Xplore		CCNT61001.2024.107	NA	NA	NA	pg1-7	
44	Dr.R.Vinod Kumar	Enhancing Distributed Energy Efficiency through Optimized Cluster Head Re-Election in WSNs	IEEE Digital Xplore	IEEE Xplore	2162-7665	CCNT61001.2024.107	NA	NA	NA		2024
45	Dr P Baraneedharan	Revolutionizing Image Recognition and Beyond with Deep Residual Networks	Lecture Notes in Networks and Systems		978-981-97-2052-1	rg/10.1007/978-981-97-	0.36	1	NA	441-448	2024
46	Dr. Jeffin Gracewell J	Multipurpose Internet of Things-Based Robot for Military Use	Lecture Notes in Networks and Systems	Lecture Notes in Network	2367-3389	rg/10.1007/978-981-97-			1121	417–427	
47	Dr.S. Kanagamalliga	Enhancing Kidney Stone Recognition in Ultrasound Imaging using Hybrid Feature Extraction Techniques	IEEE Digital Xplore	Xplore Digital	979-8-3315-4066-1	10.1109/ICoICI62503.	NA	NA	NA	1-5	2024
48	Dr.S. Kanagamalliga	Optimizing Electric Vehicle Energy Consumption with Artificial Intelligence	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066-1	10.1109/ICoICI62503.	NA	NA	NA	1-5	2024

49	Dr.S. Kanagamalliga	Arduino-Powered Fingerprint Authentication for Door Access Control	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066-1	doi: 10.1109/ICoICI62503.	NA	NA	NA	553-557	2024
50	Dr.S. Kanagamalliga	A motion-based message conveyor system for enhanced emergency communication in disabilities	IEEE Digital Xplore	IEEE Xplore	2996-5357	doi: 10.1109/ICESC60852.	NA	NA	NA	131-135	2024
51	Dr.S. Kanagamalliga	Brain Tumor Detection and Segmentation using CNN and Optimised Edge Features	IEEE Xplore	IEEE Xplore	979-8-3503-5306-8	doi: 10.1109/ICICSP60870. 2024.10544	NA	NA	NA	13-17	2024
52	Dr.S. Kanagamalliga	Optimizing Battery Thermal Management for Electric Vehicles	IEEE Xplore	IEEE Xplore	979-8-3503-5306-8	doi: 10.1109/ICICSP60870. 2024.10543	NA	NA	NA	323-327	2024
53	Dr.S. Kanagamalliga	Optimizing Smart Transportation with Real-Time Vehicle Tracking Systems for Enhanced Efficiency and Passenger Experience	IEEE Xplore	IEEE Xplore	979-8-3503-5306-8	doi: 10.1109/ICICSP60870. 2024.10543 318	NA	NA	NA	200-204	2024
54	Dr.S. Kanagamalliga	Harnessing IoT-Powered Fire Detection Systems for Enhanced Security	IEEE Xplore	IEEE Xplore	2836-1873	doi: 10.1109/ICICSP60870. 2024.10544	NA	NA	NA	88-92	2024
55	Dr.S. Kanagamalliga	An efficient deep learning based algorithm for people detection in surveillance videos	Lecture Notes in Networks and Systems		2367-3370	doi: 10.1109/ICAECC5932. 4.2023.105	NA	955	NA	347-356	2024
56	Dr.S. Kanagamalliga	An instant medical assistance structure (IMAS) based on artificial intelligence	AIP Conference Proceedings		978-0-7354-5100-1	doi: 10.1063/5.0247201	NA	3159	1	020037-6	2025
57	Dr.S. Kanagamalliga Dr.S.Navaneethan	A CNN based efficient mask and temperature detecting system	AIP Conference Proceedings		978-0-7354-5100-1	doi: 10.1063/5.0247124	NA	3159	1	020038-9	2025
58	Dr.S. Kanagamalliga	Exploring Hand Gesture Recognition for Enhanced Human-Computer Interaction	AIP Conference Proceedings		978-0-7354-5100-1	doi: 10.1063/5.0247122	NA	3159	1	020034-7	2025
59	Dr.S. Kanagamalliga	Revolutionizing Diabetic Retinopathy Recognition with Advanced Deep Learning Techniques	IEEE Digital Xplore	IEEE Xplore	979-8-3503-5364-8	doi: 10.1109/ICICSC62048. 2024.10830	NA	NA	NA	1-5	2024
60	Dr.S. Kanagamalliga	Cutting-Edge Techniques for Enhanced Kidney Stone Detection in Ultrasound Imaging	IEEE Digital Xplore	IEEE Xplore	979-8-3503-5364-8	doi: 10.1109/ICICSC62048. 2024.10830	NA	NA	NA	1-5	2024
61	Nath,Dr.S. Kanagamalliga	Smart Water Level Indicator and Control System Using Arduino Uno and Bluetooth	IEEE Digital Xplore		979-8-3503-5364-8		NA	NA	NA	1-7	2024
62	Dr.Srigitha S. Nath,Dr.S. Kanagamalliga	Performance analysis of AI-based energy management in electric vehicles	IEEE Digital Xplore	IEEE Xplore	NA	doi: 10.1109/ICEES61253.	NA	NA	NA	1-7	2024
63	Dr.S. Kanagamalliga	Integration of IoT for Precision Livestock Monitoring through Geofencing	IEEE Digital Xplore	IEEE Xplore	2693-3942	doi: 10.1109/ICEES61253. 2024.10776	NA	NA	NA	1-5	2024
64	Dr. K. Michael Mahesh	Improving FANET Communication with a QoS Optimized Location-Aided Routing Protocol	IEEE Xplore	IEEE Xplore	2996-5357	doi: 10.1109/ICESC60852.	NA	NA	NA	437-442	2024

65	Dr. K. Michael Mahesh	Next-Generation Wearable Antenna: Optimized Multi-Band Performance for Advanced Wireless Systems and Applications	IEEE Digital Xplore	IEEE Xplore	979-8-3315-0441-0	OSEC61587.2024.107	0	0	0	630-635	2024
66	Dr. Arun Pradeep	Implementing Innovative Weed Detection Techniques for Environmental Sustainability	IEEE Digital Xplore	IEEE Xplore	2473-7690	https://doi.org/10.1109/I4C62240.2024.1071109				344-349	2024
67	Dr. P. Muthuvel	Multi-Verse Optimization for Node Localization in Wireless Sensor Networks	Journal of Environmental Nanotechnology		2279-0748	https://doi.org/10.13074/jent.2024.11071109		13	4	287-294	2024
68	Dr. P. Muthuvel	Optimization of IoT Devices in Smart Home to Minimize Cost Energy Conservation Based on Human Detector	IEEE Digital Xplore	IEEE Xplore	1591.2024.10718640	https://doi.org/10.1109/EEICT61591.2024.10718640	0	0	0	45778	2024
69	Dr. K. Mahendran	Design of flexible substrate triangular patch antenna for WBAN applications	Proceedings of the First International Conference on	Proceedings of the First	1876-1119						2024
70	Manoj, A. Gandhimathinathan	Palmpoint Recognition Using AES Algorithm with Machine Learning	AIP Conference Proceedings	AIP	1551-7616	https://doi.org/10.1007/978-981-97-0091-0_7	0.7	1	3122	-	2024
71	Manoj, A. Gandhimathinathan	Arduino Uno–Based Voice Output Meter for Visually Impaired Persons	Lecture Notes on Multidisciplinary Industrial	Springer, Singapo	2522-5022	https://doi.org/10.1007/978-981-97-0091-0_09	0.09	1	1	261-269	2024
72	Dr.M.Sowmiya Manoj	Efficienct prediction of crime hotspots using Deep Learning	Lecture Notes on Multidisciplinary Industrial	Springer, Singapo	2522-5022	https://doi.org/10.1007/978-981-97-0091-0_09	0.09	1	1	183-192	2024
73	Dr.M.Thirumalai	Enhancing resilience of distribution systems through microgrid formation and integration of DERs using group teaching optimization algorithm	IEEE Digital Xplore	IEEE Xplore		https://doi.org/10.1109/EES61253.2024.107761063/5.0247138	NA	3159		30015 -1 to 30015-12	2024
74	Dr.M.Thirumalai	Optimizing Solar-Based DGs Allocation to Minimize the Impact of EVCS and Emission Reduction in Distribution Systems	IEEE Digital Xplore	IEEE Xplore	2693-3942	https://doi.org/10.1109/EES61253.2024.107761063/5.0247138	NA	NA	NA	1-4	2024
75	Dr.M.Thirumalai	Mitigating the impact of EV charging stations on RDS through optimized allocation of RDGs and capacitor	IEEE Digital Xplore	IEEE Xplore	2693-3942	https://doi.org/10.1109/EES61253.2024.107761063/5.0247138	NA	NA	NA	1-4	2024
76	Dr.M.Thirumalai	Design and Development of LiFi Assisted Intelligent Data Transmission Using Secured Wireless Communication Principles	IEEE Digital Xplore	IEEE Xplore	2693-3942	https://doi.org/10.1109/EES61253.2024.107761063/5.0247138	NA	NA	NA	1-4	2024
77	Dr.M.Thirumalai	IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advanced Remote Tracking Norms	IEEE Digital Xplore	IEEE Xplore	979-8-3315-0885-2	https://doi.org/10.1109/PECTS62210.2024.10780143	NA	NA	NA	1-4	2024
78	Dr. S. Imran Hussain	Integrating Power BI with Machine Learning Models for Predictive Analytics	IEEE Digital Xplore	IEEE Xplore	979-8-3315-0885-2	https://doi.org/10.1109/PECTS62210.2024.10780143	NA	NA	NA	1-4	2024
79	Dr. S. Imran Hussain	Autonomous Aerial Vehicles Revolutionizing the Future of Unmanned Flight	IEEE Digital Xplore	IEEE Xplore	979-8-3503-5007-4	https://doi.org/10.1109/3I61595.2024.1082868	NA	NA	NA	1245-1250	2024

80	Dr.Latha , Dr.S. Kanagamalliga, Dr.M.Sowmiya Manoj,	Anomaly detection at wireless body area network coordinators for telemedicine	IEEE Digital Xplore	IEEE Xplore	979-8-3503-5007-4	10.1109/IC3I61595.2024.10829326	NA	NA	NA	1251-1256	2024
81	Dr.R. Latha, S. Kanagamalliga	Health Monitoring Using Wireless Body Area Networks	AIP Conference Proceedings		978-0-7354-5100-1	10.1063/5.0247138	NA	3159	1	030015-1 TO 030015-12	2025
82	Dr. Latha R	Brain computer Interface for Physically Disabled People	Lecture Notes on Multidisciplinary Industrial	Springer, Singapo	25225022	https://doi.org/10.1007/978-981-97-1011-0_10	NA	NA	NA	101-106	2024
83	Dr. Latha R	A smart submarine Communication for monitoring drivers health and critical environment Alert using Li-Fi	IEEE Xplore	IEEE Xplore	2836-1873	CSP60870.2024.10543	NA	NA	NA	171-176	2024
84	Mr.K.Arun Kumar	Implementing and Verifying the SPI Communication Protocol in ASICs with Cadence EDA Tools	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066-1	10.1109/ICoICI62503.	NA	NA	NA	1363-1366	2024
85	Mr.K.Arun Kumar	Design of Clock Tree Distributor with Systematic Scheduler for Stability	IEEE Digital Xplore		979-8-3503-8891-6	CCIT63234.2024.1086	NA	NA	NA	1-5	2024
86	Mr.K.Arun Kumar	AI-Powered Wrist Ultrasound for Peripheral Arterial Disease	IEEE Digital Xplore		979-8-3503-8891	CCIT63234.2024.1086	NA	NA	NA	1-4	2025
87	Mr.K.Arun Kumar	Efficient neural network compression through booth algorithm	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066-1	10.1109/ICoICI62503.	NA	NA	NA	1630-1634	2024
88	Dr.S. Dhandapani, Mr.K.Arun Kumar	Bio-signal data Acquisition System using cadence	IEEE Xplore	IEEE Xplore	979-8-3503-0775-7	PTM59628.2024.10563	NA	NA	NA	1-6	2024
89	Ms.G.Keerthiga	Utilizing Convolutional Neural Networks and Ridge Regression for Alzheimer's Disease Detection	AIP Conference proceedings		0094243X						2024
90	Ms.G.Keerthiga	Crack detection in train track using CNN	Lecture Notes in Networks and Systems		23673370, 23673389	https://doi.org/10.1007/978-981-97-1011-0_10	0.57	2	NA	345-353	2024
91	Ms.G.Keerthiga	Innovative Framework for Precise Peripheral Arterial Disease Diagnostics Through MultiModal Digital Signal Processing on Xilinx FPGA Platform	AIP Conference Proceedings (ICDCECE),		0094243X, 15517616	https://doi.org/10.1063/5.0248062	0.41	3159	1	20029	2025
92	Ms.A.Hema Malini	Conveyor based Kinetic Energy Conservation using Dynamo-Driven Rollers	IEEE Xplore Digital Library	IEEE Xplore	979-8-3503-1860-9/24	https://doi.org/10.1109/ICDCECE6	NA	NA	NA	1-5	2024
93	Ms.A.Hema Malini, Ms.Rohini M,	Automated Tomato Classification using CNN-ELM with Enhanced Whale Optimization for Grading	IEEE Digital Xplore	IEEE Xplore	ISBN-979-8-3315-3242-0	10.1109/ICACRS6284	NA	NA	NA	123-128	2024
94	Mr.M.Praveen	An Approach on Building Communicative Channel for Hand Sign Translation to Text and Speech Model	IEEE Digital Xplore	IEEE Xplore	979-8-3315-3242-0	ACRS6284.2.2024.108				1200-1205,	

95	Mr.M.Praveen	Arduino based traffic congestion control with automatic signal clearance for emergency vehicles	Lecture Notes on Multidisciplinary Industrial	Springer, Singapo	25225022	https://doi.org/10.1007/978-981-97-107-115	0.09	1	1	107-115	2024
96	Mr.M.Praveen	Machine Learning-Based System for Abnormality Detection and Classification in MRI with Advanced Techniques for Brain Tumor Identification	AIP Conference proceedings	Confere nce proceedi	0094243X	https://doi.org/10.1063/5.0248422	0.41	3159	1		2024
97	Mr.M.Praveen	Enhanced CNN Architecture for Accurate Waste Classification in Smart Cities	IEEE Digital Xplore	IEEE Xplore	NA	https://doi.org/10.1109/ICIC62048.2024.10830	NA	NA	NA		2024
98	Ms. K.Sakthi	Application of hand detection and motion detection using python and C# in raspberry pi	IEEE Digital Xplore	IEEE Xplore	NA	https://doi.org/10.1109/ICIC64247.2024.1082	NA	NA	NA		2024
99	Ms. K.Sakthi	Modified FIR Filter and High Speed Adder for Signal Processing Applications	AIP Conference proceedings	Confere nce	0094-243X	https://doi.org/10.1063/5.0247391	0.41	3159	1	20039	2025
100	Dr. Manikandan S P	Detecting Insider Threats in Cybersecurity Using Machine Learning	IEEE Digital Xplore	IEEE Xplore	979-8-3315-1809-7	https://doi.org/10.1109/ICIC64247.2024.1082	NA	NA	NA		2025
101	Ms.Rohini M	Underwater Wireless Communication System using Li-Fi Technology	IEEE Digital Xplore	IEEE Xplore	979-8-3315-1809-7	https://doi.org/10.1109/ICIC64247				152-158,	2024
102	Ms.Rohini M	Automated Extraction of Objects from Aerial Images using A Convolutional Neural Network	IEEE Digital Xplore	IEEE Xplore	979-835031860-9					1-6	2024
103	Ms. A.Anjaline Jayapraba	Power Minimization Twisted Ring Counter Design Using Power Gating Technique	Lecture Notes in Electrical Engineering	Notes in Electric	LNEE,volume 1246	https://link.springer.com/chapter/10.1007/978-981-97-107-115	NA	,volu me	NA	PP 15-22	2024
104	Mr.Kannan R	Real Time Mental Health Monitoring System using Machine Learning	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4077	https://doi.org/10.1109/ICIC62503.2024.10696	NA	NA	NA	806-811	2024
105	Mr.Kannan R	Wildlife Accident Prevention on Rail Track Using AI Technology	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066	https://doi.org/10.1109/ICIC62503.2024.10696	NA	NA	NA	806-811	2024
106	Mr.Kannan R	Alcoholic Consumption and Diabetes Prediction using Machine Learning and Deep Learning	IEEE Xplore	IEEE Xplore	979-8-3503-1860-9	https://doi.org/10.1109/ICDCECE6	NA	NA	2024	1-5	2024
107	Ms.Subashree V	Enhancing Implant Communication and a Design of a Wearable Flexible Antenna for Ultra-Wideband On-Body Applications	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4066-1/	https://doi.org/10.1109/ICIC62503	NA	NA	NA	748-751	2024
108	Ms.Subashree V	Intrusive Detection in Nuclear Systems using Supervised and Unsupervised M1 Methodologies	IEEE Xplore	IEEE Xplore	979-8-3503-8269-3	https://doi.org/10.1109/TEICS6136.2024.106	NA	NA	NA	1-6	2024
109	Ms.Subashree V	Flexible Antenna Solutions for Implant Communication in Ultra-Wideband Networks	IEEE Xplore	IEEE Xplore	Electronic ISSN: 2642-6595	https://doi.org/10.1109/AECC5932.4.2023.105	NA	NA	NA	1-6	2024
110	Ms.Immaculate Joy S	Smart IoT-Based Cardiac Devices for Ambulatory Healthcare Monitoring	Lecture Notes in Networks and Systems	Springer Nature	23673370	https://doi.org/10.1007/978-981-97-107-115	0.57	2		· 451–462	2024

111	Ms.Immaculate Joy S	Prior Emergency Ambulance Tracking Android Application for Traffic Cops Using GPS Technology	Lecture Notes in Networks and Systems	Springer Nature	23673370	https://doi.org/10.1007/978-981-971001-7_10	0.57	2		451–462	2024
112	Ms.R. Sugunadevi	A Hybrid Approach for Skin Disease Detection Using GrabCut Segmentation and Inception-v3 Network	IEEE Xplore	IEEE Xplore	979-8-3503-6509-2	10.1109/ICONS-STEM6	NA	NA	NA	1-5	2024
113	Ms.R. Sugunadevi	Comprehensive Analysis of Autism Spectrum Disorder Detection Using Deep Learning	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4234-4	SES63445. 2024.10763	NA	NA	NA	781-785	2024
114	Ms.R. Sugunadevi	Automatic Plant Leaf Disease Detection Using AlexNet and Image Processing Techniques	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4036-4	YBERCO M63683.20	NA	NA	NA	441-446	2024
115	Ms.R. Sugunadevi	Attention-COVIDNet: An Enhanced COVID-19 Classification Framework using Attention Mechanism	IEEE Digital Xplore	IEEE Xplore	979-8-3315-4234-4	810036066 11-49	NA	NA	NA	307-314	2024
116	Ms.R. Sugunadevi	Effective Webshell Detection in IoT Networks employing TF-IDF, Word2Vec and SVM	IEEE Digital Xplore	IEEE Xplore	979-8-3503-7465-0	10.1109/EDKCON6233	NA	NA	NA	436-441	2024
117	Ms.Karthika G	Machine Learning-Based Textile Fabric Defect Detection Network	IEEE Digital Xplore	IEEE Xplore	ISBN:979-8-3315-4036-4 DVD	https://doi.org/10.54216/JISIoT.150	1.7	15	1	167-174	2025
118	Dr.S. Kanagamalliga, Ms.Arasa Kumar R	Cobb Angle Measurement using U-Net for Scoliosis Treatment Plans	IEEE Digital Xplore		979-8-3503-6790-4	10.1109/ICEA63461. 2024.10800	NA	NA	NA	1064 - 1068	2024
119	Dr.S. Kanagamalliga, Ms.Arasa Kumar R	Computer Vision based Crop Yield Prediction for Precision Agriculture using Machine Learning	IEEE Digital Xplore	IEEE Digital Xplore	979-8-3503-7797-2	https://doi.org/10.1109/ICCSE6355	NA	NA	NA	1910–1917	2024
120	Mr Gandhimathinathan A	Standard Image Encryption Strategies: A Comprehensive Overview	IEEE Digital Xplore	IEEE Digital Xplore	979-8-3503-6790-4	ECA63461. 2024.10800 947					2024
121	Ms.Karthiga M	An upgraded IoT based Mobile Ad- hoc Network enactment founded on optimized Signal Strength Based Routing algorithm	Journal of Intelligent Systems and		2769786X	https://doi.org/10.54216/JISIoT.150	1.7	15	1	167-174	2025
122	Dr.S.Navaneethan	Implementing Deep Learning to Identify Skin Cancer from Dermoscopy Images	IEEE Digital Xplore	IEEE Xplore	979-8-3503-6790-4	ECA63461. 2024.10800					2024
123	Dr.S.Navaneethan	A Real-Time Human Eye Pupil Tracking System using FPGA	IEEE Digital Xplore	IEEE Xplore	979-8-3503-6456-9/24	10.1109/NKCon62728	0	NA	NA	750-755	2024
124	Dr.S.Navaneethan	AI-Powered Prediction Models for Cardiovascular Disease Risk Assessment	AIP Conference Proceedings	Confere nce	978073545100-1	https://doi.org/10.1063/5.0247030	NA	3159	1		2024
125	Dr.S.Navaneethan	Skywatch: UAV-Based Suspicious Activity Analysis through Image Processing	IEEE Digital Xplore	IEEE Xplore	979-8-3503-5006-7/24	10.1109/IC3I61595.20	NA	NA	NA	350-356	2024
126	Dr.S.Navaneethan	Decoding the Brain Neuro-Inspired Deep Learning Architectures of Cognitive Computing	IEEE Xplore	IEEE XPLORE	979-8-3503-5968-8	10.1109/ICKECS6149 2 2024 106	NA	NA	NA	pg 1-6	2024

127	Dr.S.Navaneethan	Effective in-the-Moment Image Compression on FPGA: A Combinatorial Method Including DWT and IWT Techniques	IEEE Digital Xplore	IEEE Xplore Digital	979-835038436-9	doi: 10.1109/ICACCS6087	NA	NA	NA	341-346	2024
-----	------------------	--	---------------------	---------------------	-----------------	-------------------------	----	----	----	---------	------