

Journal Publications (2021-2022AY)

S. No	Name of the Faculty	Title of the Paper	Name of the Journal	Year	Indexing (SCI/Scopus/WoS/UGC)
1	Prof. T Madhavi Tatineni	Implementation of Opinion Trust algorithm for Secure data transmission in WANETs	Indian Journal of Computer Science and Engineering (IJCSE)	2021	Scopus
		Impact of Temperature on Structure Deformation for Monolithic Inter-Tier vias In Monolithic 3D IC Packaging System	ECS Journal of Solid State Science and Technology	2021	WoS
		Adaptive Deep Learning Strategy with Red Deer Algorithm	Wireless Personal Communications	2022	Scopus, Web of Science, SCIE
		Quality of Signal Improvement in Prominent CNTFET Based Ternary Logic System for Futuristic Dielectric Inserted MLG NRs for Integrated Circuit Designs	ECS Journal of Solid-State Science and Technology	2022	Scopus, Web of Science
2	Prof. P. Trinatha Rao	Reinforcement learning based Cooperative Sensing in Cognitive Radio Networks for Primary User Detection	International Journal of Information and Computer Security	2022	scopus
		An energy aware cluster-based routing and adaptive semi-synchronized MAC for energy harvesting WSN	International Journal of Communications Systems	2022	WoS and Scopus
3	B. Prasad	Modelling of Electric Vehicle with PID Controller Transfer Function using GA and Model-Reduced Order DRA Algorithm	International Journal of Electrical and Electronics Research (IJEER)	2022	SCOPUS

4	K. Praveen Kumar	2D Wavelet Tree Ordering Based Localized Total Variation Model for Efficient Image Restoration	International Journal of Image and Graphics	2022	Scopus
5	Arunjyothi.E	FPGA Implementation Of VM-CSA Fir Filter with reduced area and delay using optimal designs	IJETT	2021	Scopus
6	M Naresh Kumar	nCOVID-19 Detection with Frontal Chest X-Ray Scans Using Deep Learning Technique	Revista Geintec-Gestao Inovacao E Technologies	2021	WoS
7	Prof.K Manjunathachari	Concurrent fault detection and location with minimal overhead in Ling parallel prefix adders with a scheme for fault tolerant Ling prefix adders	Microelectronics Reliability	2021	Scopus

**Journal Publications
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S. No	Name of the Faculty	Title of the Paper	Name of the Journal	Year	Indexing (SCI/Scopus/Wos/UGC)
1	Prof. T Madhavi Tatineni	Conceptual Modeling of Narrow Band Communication	International Journal of Engineering Trends and Technology	2022	Scopus
		Comparative Analysis of Crosstalk Effects in Dielectric Inserted Horizontal and Vertical Multi-layer GNR Interconnects for Ternary	ECS Journal of Solid-State Science and Technology	2022	Scopus, Web of Science
		Automatic Atrial Fibrillation Detection Using Modified Moth Flame Optimization Algorithm	International Journal of Intelligent Engineering & Systems	2023	Scopus
		Design of GDI Based FIR Filter for ECG Signal Filtration, Semiconductor	Optoelectronics	2023	Scopus
		Crosstalk analysis of dielectric inserted side contact multilayer graphene nanoribbon interconnects for ternary logic system using unconditionally stable FDTD model	Microelectronics Journal	2023	Scopus

Journal Publications (2023-2024 AY)

S. No	Name of the Faculty	Title of the Paper	Name of the Journal	Month	Year	Indexing (SCI/Scopus/Wos/UGC)
1	Prof.T Madhavi	A Novel Modified Marine Predator Algorithm (MMPA) based Automated Atrial Fibrillation Detection (AAFD) System using ECG Signals	International Journal of Intelligent Systems and Applications in Engineering	Jan	2024	Scopus
		Intelligent deep learning-aided future beam and proactive handoff prediction model in Unmanned Aerial Vehicle-assisted anti-jamming Terahertz communication system	International Journal of	Sep	2023	Scopus
		Optimized digital Simulation Methodology for System Validation using Real-Time Hardware-In Loop Simulation Platform	IEEE Aerospace and Electronic Systems Magazine	June	2024	Scopus
		Red Deer Optimisation-Based Delay Minimisation for mmWave Communication System Enabled with Mobile Edge Computing	Journal of Information and Knowledge Management	Aug	2024	scopus
2	Prof.P Trinatharao	Dynamic thresholding logarithmic companding for PAPR reduction in MIMO-OFDM systems for 5G wireless communication	Measurement: Sensors	June	2024	scopus
3	Dr.Shantanu Saha	Optical properties of low-defect large-area h-BN for quantum applications: Journal name	IPSS Rapid Research Letters	March	2024	Scopus
4	Dr. S Chandrasekhar	An Effective Framework of Land Cover Classification Using Hybrid Metaheuristic-Aided Ensemble-Based Convolutional Neural Network	International Journal of Image and Graphics	November	2023	Scopus, SCI, WoS
5	Mariyadasu M	EEG Classification and Artifact Removal with Deep Networks and Adaptive Thresholding Mechanism	J. Shanghai Jiao Tong Univ. (Sci.),	July	2023	Scopus
6	Balaji Naik Bukke	Implementation of a Finite Impulse Response Filter using PUFs to Avoid Trojans	Engineering, Technology	Dec	2023	Scopus
7	Dr Md. Masood Ahmad	Performance analysis of approximate parallel prefix adders realized with Field-programmable Gate Array technology.	Recent advances in electrical and electronics engineering	May	2024	scopus

8	Mr.B.Santosh Kumar	Diabetic prediction framework using optimisation strategy via optimal weighted score-based deep ensemble network to support diabetic Modified Microstrip Feed	Int. J. Bioinforma. Res. Appl	June	2024	scopus
9	Prof.K Manjunatha Chari	Hybrid Rectangular Dielectric Resonator Antenna for Wireless Tri-Band Applications	Measurement Science Review	Nov	2023	scopus
		Intelligent optimal feature selection	Signal, Image and Video	Oct	2023	Scopus
		Implementing Spectral-Domain Feature Mapping for Sketch-Based Image Retrieval	International Journal of Intelligent Systems and Applications in Engineering	Feb	2024	Scopus
		Hybrid feature integration model and adaptive transformer approach for emotion recognition with EEG signals	Computer Methods in Biomechanics and Biomedical Engineering	sep	2023	Scopus
		Implementation of a Finite Impulse Response Filter using PUFs to Avoid Trojans	Engineering, Technology and Applied Science Research	Dec	2023	Scopus
10	Shaik Jhani Bhasha	Data Privacy Preservation and Authentication Scheme for Secured IoMT Communication Using Enhanced Heuristic Approach with Deep Learning	Cybernetics and Systems An International Journal	May	2024	SCI

Journal Publications (2024-2025 AY)

S. No	Name of the Faculty/Co-Authors	Title of the Paper	Name of the Journal	Year	Indexing (SCI/Scopus/Wos/UGC)
1	Prof.T Madhavi	Development of a Conceptual Model for Secured Communication in Wireless Ad hoc Networks	International Journal of Engineering Trends and Technology	2024	Scopus
2		5G high band S-slotted Doppelganger patch antenna	AIP Conference proceedings	2024	Scopus
3		Design and Development of Hardware-In-Loop Remote Simulation Real-Time Testbed with MIL-STD 1773-Based Fiber Optics Data Acquisition System	Defence Science Journal	2025	Scopus
4	Prof. K Manjunathachari	Δ DHT-Zip: A Delta-difference Hybrid Tree Coding Scheme for End-to-end Packet Compression Framework in Network-on-Chips	International Journal of Computer Network and Information Security	2025	Scopus
5		Compact Four Port MIMO High Gain HMSIW Slot Antenna for Sub-6 GHz Applications.	International Journal of Microwave & Optical Technology	2025	Scopus
6	Prof. P. Trinatha Rao	Frequency-tunable circularly polarized twin dual folded inverted-L antenna with varactor-loaded split-ring resonator structures	International Journal of Communication Systems	2025	Scopus
7		A comprehensive analysis of dynamic PAPR reduction schemes in MIMO-OFDM systems	International Journal of Informatics and Communication Technology	2024	Scopus

8		Devising and Formulating a Suitable Shielding Material to a Shape, for the Optimal Protection of Public Against EMF Radiation From the Mobile Tower	Journal of Electrical Systems	2024	Scopus
9	Dr. K Praveen Kumar	Modified energy efficient multi-level and spectrum aware unequal clustering with primary user classification in cognitive radio sensor networks	Edelweiss Applied Science and Technology	2024	Scopus
10		Reinforced black widow algorithm with restoration technique based on optimized deep generative adversarial network	Smart Science	2024	Scopus
11	Dr. P V RamaKrishna	Artificial rabbits' optimization-based reconfiguration and distributed generation allotment in the distribution network	International Journal of power electronics and drives	2024	Scopus
12		Reconfiguration of the radial distribution network using an artificial rabbits optimization approach	Bulletin of Electrical Engineering and Informatics	2024	Scopus
13		(Lifetime (Bx) Improvement of Grid Connected Inverter Using Si-Si C H-IGBT/Diode for PV Application: A Reliability Approach	Indonesian Journal of Electrical Engineering and Computer	2024	Scopus
14	Dr.S V Padmavathi	Optimizing Solar Pv System For Second- Order Fuzzy Logic Inverter Design For Upqc To Enhance Power Quality	Journal of Theoretical and Applied Information Technology	2024	Scopus
15		Intelligence Based Controlling Models for Effective Power Tracking and Voltage Enhancement in Grid-PV Systems	Emerging Science Journal	2025	Scopus

16		A Solar PV Integrated UPQC to Enhance Power Quality Using SEA Gull ANFIS Algorithm	Informatica	2025	Scopus
17	Dr. Ch Praveen Kumar	Optimising Water Quality Assessment: A Comparative Study of Machine Learning Algorithms for Imbalanced Potability Datasets	Journal of Mines, Metals & Fuels (JMMF)	2025	Scopus
18	Dr. Md Masood Ahmad	Performance analysis of parallel prefix adders developed with field programmable gate array technology	IJRES	2025	scopus
19	Dr. G Srinivas	Optimizing power quality and placement of EV charging stations in a DC grid with PV-BESS using hybrid DOA-CHGNN approach	Electrical power systems research	2025	Scopus
20	Mr. S Ram Prasad	Performance analysis of parallel prefix adders developed with field programmable gate array technology	IJRES	2025	Scopus
21	Mr. V Shiva Prasad Nayak	Compact Four Port MIMO High Gain HMSIW Slot Antenna for Sub-6 GHz Applications.	International Journal of Microwave & Optical Technology	2025	Scopus