

# SRM VALLIAMMAI ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## STAFF PUBLICATION DETAILS- 2023

Authors	Title	Year	Source title	Volume, Issue, Page No.	SCI/Scopus
Raj Suriyan G.; Rahul K.; Rajesh S.; Dhanalakshmi C.; Udhayakumar G.	Prevention of Road Accidents by Interconnecting Vehicles using LiFi and LoRaWAN Technologies	2023	International Conference on Sustainable Computing and Smart Systems, ICSCSS 2023 - Proceedings	1383-1387	Scopus
Pandian A.; Udhayakumar G.	Improved multiple sclerosis diagnosis with advanced deep learning techniques	2023	International Journal of Imaging Systems and Technology	33,6,2128-2141	SCI
Kaliaperumal K.; Subramaniam R.	A novel MIMO antenna with switchable UWB/5G modes for vehicular terminals	2023	Microwave and Optical Technology Letters	65,9,2640-2645	SCI
Natesan K.; Subramaniam R.; Sivathanu C.	Bandwidth and frequency agile MIMO antenna for cognitive vehicular communications	2023	International Journal of Communication Systems	36,14	SCI
Chitra S.; Ramesh S.; Vijay R.; Jegan G.; Lawrence T.S.	Joint CFO and channel estimation using pilot aided interpolation for high performance MIMO-OFDM	2023	International Journal of Electronics	110,7,1355-1372	SCI
Vinoth J.C.; Ramesh S.; Abidin Z.Z.; Qureshi S.A.; Chitra S.; Saranya E.; Josephine M.; Sneha G.	Planar Edged UWB Antenna for Water Quality Measurement	2023	Progress In Electromagnetics Research C	130,83,93	SCI
Subramaniam R.; Sivathanu C.	CONFORMAL PLANAR ANTENNA WITH DGS FOR 5G WEARABLE COMMUNICATIONS	2023	Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika)	82,12,1-10	Scopus
Ramesh R.K.; Ramesh S.	Fishermen and Fishing Boat Monitoring System using MIMO Technology and Database Management	2023	Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023	161-165	Scopus

Prasanan V.; Ramesh S.	Design of C - Slot Based MIMO Antenna for Safety and Non-Safety Applications of V2V Communication	2023	2023 5th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2023		Scopus
Namath S.; Kumudham R.; Ramesh S.; Priya A.	A Wideband Dipole Antenna for Head Imaging System	2023	Proceedings of the 2nd International Conference on Edge Computing and Applications, ICECAA 2023	1556-1563	Scopus
Jeyavarshini K.; Jeevapriya H.; Kaaviya B.; Kanimozhi S.; Ramesh S.	Design of Compact Y-Shape Antenna for 5g Smartphones	2023	Proceedings of the 1st IEEE International Conference on Networking and Communications 2023, ICNWC 2023		Scopus
Kumaran N.; Ramesh S.; Kumarathanan N.; Chitra S.	Meta Surface Inspired Compact CPW Antenna for 5G Wireless Communication	2023	2023 5th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2023		Scopus
Abishek E.; Subramaniam R.; Ramanujam P.; Esakkimuthu M.	Low-profile Circularly Polarized Conformal Antenna Array with Side Lobe Suppression for Vehicular SATCOM Applications	2023	Applied Computational Electromagnetics Society Journal	38,6,439-447	SCI
Kumar V.S.; Ramesh S.	Implementation of High-Q Embedded Band Pass Filter in Wireless Communication	2023	Intelligent Automation and Soft Computing	36,2,2191-2200	SCI
Subhashini N.; Archanaa S.A.; Balaji A.; Dinesh K.	Health care model prediction using AdaBoost classifier algorithm	2023	Artificial Intelligence, Blockchain, Computing and Security: Volume 2	2,448-452	Scopus
Saravanakumar C.; Usha Bhanu N.; Subhashini N.; Sureshkumar V.; Marirajan S.; Sandhya V.P.	Validation of Adder blocks with Shared Resource Methodology for Precise Cell Boundary Identification in Biotechnology Applications	2023	Proceedings - 2023 3rd International Conference on Innovative Sustainable Computational Technologies, CISCT 2023		Scopus
Saravanakumar C.; Subhashini N.; James K.	SmartSense: An Intelligent Assistive System for Typhlotic Individuals Using Raspberry Pi	2023	2023 International Conference on System, Computation, Automation and Networking, ICSCAN 2023		Scopus
Saravanakumar C.; Sivanantham P.; Sowmiya P.; Sasikala A.; Syed Nasruddin S.; Subhashini N.	The Meritorious Effects of Machine Learning Algorithms in Assessment of Power Consumption by Arithmetic Circuits in IC Design	2023	2023 5th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2023		Scopus

Jayasukumari I.; Themozhi G.; Amali C.	Design of rectangular microstrip patch antenna using hybrid group teaching optimization algorithm and volcano Eruption algorithm	2023	Wireless Networks	29,7,3091-3103	SCI
Jayasukumari I.; Themozhi G.; Amali C.	Investigation and Compatibility of a Low Profile Wideband Circular Ring Patch Antenna with Slotted Partial Ground Plane	2023	Advances in Science and Technology	130,137-141	Scopus
Amali C.; Rajesh R.; Abrameyan J.S.; Rajasekar G.; Muhaseen N.M.	An Enhanced Hybrid Machine Learning Model for Diagnosis of Parkinson's Disease	2023	International Conference on Innovative Data Communication Technologies and Application, ICIDCA 2023 - Proceedings	198-202	Scopus
Durgadevi K.; Amali C.; Karthik R.	Implementation of PFC Bridgeless-Zeta Converter with FOPID using Improved PSO Algorithm	2023	Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023	327-331	Scopus
Kiran A.; Renjith P.N.; Gupta S.; Ambala S.; Raju P.S.; Sriramsetti D.	Distributed computing and big data techniques for efficient fault detection and data management in wireless networks	2023	Optical and Quantum Electronics	55,13	SCI
Logesh R.; Preethi S.R.; Krishna Raja S.; Kavya S.	FPGA driven intelligent vending solution using Xilinx Vivado	2023	Proceedings - 1st International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems, iTech SECOM 2023	373-377	Scopus
Raju P.S.; Lakshmi Priya S.; Ksheeraja S.; Menaga B.; Ragul V.	Green IoT Framework for Deep Forest Surveillance	2023	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2023		Scopus
Srinivasan A.; Mahalingam M.; Raju P.S.	An Exploration about Frameworks Based on Green Internet of Things	2023	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2023		Scopus
Lalitha Kumari P.; Das S.; Kannadasan B.; Sampathila N.; Saravanakumar C.; Anand R.; Gupta A.	Methodology for Classifying Objects in High-Resolution Optical Images Using Deep Learning Techniques	2023	Lecture Notes in Electrical Engineering	992,619-629	Scopus

Usha Bhanu N.; Saravanakumar C.	Investigations of Machine Learning Algorithms for High Efficiency Video Coding (HEVC)	2023	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2023		Scopus
Saravanakumar C.; Usha Bhanu N.; Subhashini N.; Sureshkumar V.; Marirajan S.; Sandhya V.P.	Validation of Adder blocks with Shared Resource Methodology for Precise Cell Boundary Identification in Biotechnology Applications	2023	Proceedings - 2023 3rd International Conference on Innovative Sustainable Computational Technologies, CISCT 2023		Scopus
Chandrasekaran S.; Nageswaran U.B.	A mutated addition–subtraction unit to reduce the complexity of FFT	2023	Applied Nanoscience (Switzerland)	13,4,2935-2944	SCI
Saravanakumar C.; Subhashini N.; James K.	SmartSense: An Intelligent Assistive System for Typhlotic Individuals Using Raspberry Pi	2023	2023 International Conference on System, Computation, Automation and Networking, ICSCAN 2023		Scopus
Prasada Rao Borra S.; Sandiri R.; Nalajala P.; Majji S.; Saravanakumar C.; Chandra K.R.	Towards Human-Like Robotic Grasping for Industrial Applications Using Computer Vision	2023	Lecture Notes in Networks and Systems	665,173-181	Scopus
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Senthilmurugan S.; Gunaseelan K.	Fin Field Effect Transistor with Active 4-Bit Arithmetic Operations in 22 nm Technology	2023	Intelligent Automation and Soft Computing	35,2,1323-1336	SCI
Rajan T.K.; Karthick S.; Nirmal S.; Kumar S.N.; Senthilmurugan S.	IoT Based Remote Surveillance for Animal Tracking Near Railway Tracks	2023	Proceedings of the 1st IEEE International Conference on Networking and Communications 2023, ICNWC 2023		Scopus
Saravanakumar C.; Usha Bhanu N.; Subhashini N.; Sureshkumar V.; Marirajan S.; Sandhya V.P.	Validation of Adder blocks with Shared Resource Methodology for Precise Cell Boundary Identification in Biotechnology Applications	2023	Proceedings - 2023 3rd International Conference on Innovative Sustainable Computational Technologies, CISCT 2023		Scopus
Shilaja C.; Nalinashini G.; Balaji N.; Durgadevi K.	“No Way, Butto Makeit Smart” Energy Industry: Integrating Artificial Intelligence	2023	AIP Conference Proceedings	2587,1	Scopus

Kumarasamy D.; Chinnappan A.; Radha K.	Efficient Power Factor Correction using Chaotic Artificial Bee Colony Algorithm-Based FOPID Controller in DC-DC Zeta Converters	2023	Electric Power Components and Systems	51,14,1406-1418	SCI
Durgadevi K.; Amali C.; Karthik R.	Implementation of PFC Bridgeless-Zeta Converter with FOPID using Improved PSO Algorithm	2023	Proceedings of the 3rd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2023	327-331	Scopus
Prasanan V.; Ramesh S.	Design of C - Slot Based MIMO Antenna for Safety and Non-Safety Applications of V2V Communication	2023	2023 5th International Conference on Electrical, Computer and Communication Technologies, ICECCT 2023		Scopus
Srinivasan A.; Mahalingam M.; Raju P.S.	An Exploration about Frameworks Based on Green Internet of Things	2023	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2023		Scopus
Chavan P.P.; Rani B.S.; Murugan M.; Chavan P.	Image compression based on vector quantization and optimized code-book design using Genetic Mating Influenced Slime Mould (GMISM) algorithm	2023	Web Intelligence	21,3,241-260	SCI
Mayuranathan M.; Murugan M.; Dhanakoti V.	Retraction Note to: Enhanced security in cloud applications using emerging blockchain security algorithm (Journal of Ambient Intelligence and Humanized Computing, (2021), 12, 7, (6933-6945), 10.1007/s12652-020-02339-7)	2023	Journal of Ambient Intelligence and Humanized Computing	14,407	SCI
Chavan P.; Sheela Rani B.; Murugan M.; Chavan P.; Kulkarni M.	An Analysis of Codebook Optimization for Image Compression: Modified Genetic Algorithm and Particle Swarm Optimization Algorithm	2023	Lecture Notes in Electrical Engineering	977,849-866	Scopus
Nedunchezian P.; Mahalingam M.	Improved Mental Health Monitoring Using HappyOSN in Online Social Networks	2023	Lecture Notes on Data Engineering and Communications Technologies	139,489-503	Scopus
Balaji V.R.; Dhanabalan S.S.; Sridarshini T.; Robinson S.; Murugan M.; Hegde G.	Photonic Crystal Drop Filter for DWDM Systems	2023	Lecture Notes in Electrical Engineering	995 ,483-493	Scopus

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Srinivasan A.; Mahalingam M.; Raju P.S.	An Exploration about Frameworks Based on Green Internet of Things	2023	Proceedings of 2023 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2023		Scopus