

SRM Institute of Science and Technology				
College of Engineering and Technology				
Department of Electronics and Communication Engineering				
Academic Year 2023-2024				
Scopus Indexed Publications				
Name of the Author	Count	Title of paper	Name of journal	DOI
Dr. B. Ramchandran	1	Automatic Electro-Encephalo-Graphic Source Separation Strategies for Seizure Prediction Application	Biomedical Engineering Applications Basis and Communications	10.4015/S101623722350032
Dr. T. Ramarao	1	Quad Element Reconfigurable Radiation Pattern MIMO Antenna for Indoor Wireless Communication	Progress In Electromagnetics Research Letters	10.2528/PIERL23052203
Dr. M. Sangeetha	1	Design and performance analysis of 8-port multi-service quad-band MIMO antenna for automotive communication	International Journal of Numerical Modelling Electronic Networks, Device and fields	10.1002/jnm.3180
Dr. S. Dhanalakshmi	8	Experimental Investigation on Thermal Analysis for Solar Panel using Fiber Bragg Grating Sensor	Oceans Conference Record (IEEE)	10.1109/OCEANSLimerick5467.2023.10244411
		A Feed-forward Switched Adaptive Filtering configuration for Underwater Acoustic Signal Denoising Technique with low-complexity	Oceans Conference Record (IEEE)	10.1109/OCEANSLimerick52467.2023.10244466.
		Computational Evaluation of Coating Materials for Humidity Sensing using Fiber Bragg Grating	Oceans Conference Record (IEEE)	10.1109/OCEANSLimerick52467.2023.10244306.
		Deep WaveNet-based YOLO V5 for Underwater Object Detection	Oceans Conference Record (IEEE)	10.1109/OCEANSLimerick52467.2023.10244645.

		Deep Learning Architecture based Multi Class Coral Reef Image Classification	Oceans Conference Record (IEEE)	10.1109/OCEANSLimerick52467.2023.10244437.
		A comparative analysis of various detection and classification modalities for Alzheimer's disease diagnosis	AIP Conference Proceedings	<a href="https://doi.org/10.1063/5.0150537">https://doi.org/10.1063/5.0150537</a>
		Heart disease classification using PCG by employing modern statistical analysis and machine learning algorithms	AIP Conference Proceedings	<a href="https://doi.org/10.1063/5.0150533">https://doi.org/10.1063/5.0150533</a>
		Machine learning approaches in detection of Parkinson's disease using speech and gait signals	AIP Conference Proceedings	<a href="https://doi.org/10.1063/5.0150531">https://doi.org/10.1063/5.0150531</a>
Dr. P. Vijayakumar	3	AI-assisted Physical Therapy for Post-injury Rehabilitation: Current State of the Art	IEIE Transactions on Smart Processing and Computing	<a href="https://doi.org/10.5573/IEIESPC.2023.12.3.234">https://doi.org/10.5573/IEIESPC.2023.12.3.234</a>
		Latest Trends in Wireless Network Optimization Using Distributed Learning	Lecture Notes on Data Engineering and Communications Technologies	<a href="https://doi.org/10.1007/978-981-99-1767-9_10">https://doi.org/10.1007/978-981-99-1767-9_10</a>
		Survey on electrocardiography signal analysis and diabetes mellitus: unraveling the complexities and complications	International Journal of Electrical and Computer Engineering (IJECE)	<a href="http://doi.org/10.11591/ijece.v14i2.pp1565-1571">http://doi.org/10.11591/ijece.v14i2.pp1565-1571</a>
Dr. J. Manjula	2	FPGA - Based ECG signal analysis for arrhythmia detection system using SVM classifier	AIP Conference Proceedings 2603, 030005 (2023)	<a href="https://doi.org/10.1063/5.0126540">https://doi.org/10.1063/5.0126540</a>
		A low power and high speed 45 nm CMOS dynamic comparator with low offset	International Journal of Power Electronics and Drive Systems (IJPEDS)	10.11591/ijpeds.v14.i4.pp2293-2300
Dr. K. Kalimuhu	1	An image steganography using improved hyper-chaotic Henon map and fractal Tromino	International Journal of Electrical and Computer Engineering (IJECE)	<a href="http://doi.org/10.11591/ijece.v13i6.pp6836-6846">http://doi.org/10.11591/ijece.v13i6.pp6836-6846</a>

Dr. T. Deepa	2	CEMD Solar Noise Suppression for OFDM based Visible Light Vehicular Communication	IEEE- 023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	10.1109/ICEEICT56924.2023.10157347
		Compressive Sensing of Natural Images with Hybrid Transform based Sensing Matrix	2023 3rd International Conference on Intelligent echnologies (CONIT) Karnataka, India. June 23-25, 2023	10.1109/CONIT59222.2023.10205579.
Dr. T. Rajalakshmi	1	Design Of Patient Specific Hip Prosthesis Based On Finite Element Analysis: A Comparative Study	Biomedical Engineering: Applications, Basis and Communications	<a href="https://doi.org/10.4015/S1016237223500175">https://doi.org/10.4015/S1016237223500175</a>
Dr. K.Vijayan	1	Optimizing energy efficiency and enhancing localization accuracy in wireless sensor networks through genetic algorithms	International Journal of Advanced Technology and Engineering Exploration,	<a href="http://dx.doi.org/10.19101/IJATEE.2022.10100461">http://dx.doi.org/10.19101/IJATEE.2022.10100461</a>
Dr. P. Radhika	1	Design and analysis of 7-stage MOS current mode logic power Gated MOSFETs in current starved voltage-controlled oscillator for the Phase Locked Loop Application	International Journal of Electrical and Computer Engineering (IJECE)	<a href="http://doi.org/10.11591/ijece.v14i2.pp1398-1405">http://doi.org/10.11591/ijece.v14i2.pp1398-1405</a>
Dr. S. Kayalvizhi	1	HQA Bot: Hybrid AI Recommender Based Question Answering Chatbot	Intelligent Systems and Applications in Engineering	<a href="https://ijisae.org/index.php/IJISAE/article/view/3516/2115">https://ijisae.org/index.php/IJISAE/article/view/3516/2115</a>
Mrs. S. Kolangiammal	1	ALZHEIMER'S CLASSIFICATION USING DEEP LEARNING TECHNIQUE	European Chemical Bulletin	DOI:10.31838/ecb/2023.12.s1-B.385

Mr. B. Ananda Venkatesan	2	Non-Destructive Detection of Pipe Line Cracks Using Ultra Wide Band Antenna with Machine Learning Algorithm	Journal of Engineering Science and Technology Review	10.25103/jestr.165.21
		Design and Implementation of Quad Element Planar Monopole MIMO Antenna for Industrial Parameter Monitoring Systems using LoRa WAN	Journal of Engineering Science and Technology Review	10.25103/jestr.165.21
Dr. G. Elavel Visuvanathan	1	IoT Monitoring Scheme in Solar-based Motor Drive for Water Pump Applications	IEEE xplore	<a href="https://doi.org/10.1109/ICECAA58104.2023.10212379">https://doi.org/10.1109/ICECAA58104.2023.10212379</a>
Dr.S. Suhasini	1	Smart Wearable Thermal Management VO2 Coated Textilefor Thermochromic and Sensing Applications	IEEE Sensors Letters	10.1109/LSENS.2023.3345143
Dr. Bandaru Ramakrishna	1	Computer Vision Aided Machine Learning Framework for Detection and Analysis of Arm Flapping Stereotypic Behavior Exhibited by the Autistic Child	IFIP Advances in Information and Communication Technology	<a href="https://doi.org/10.1007/978-3-031-38296-3_16">https://doi.org/10.1007/978-3-031-38296-3_16</a>
Dr. C. Vimala	1	Analysis of single-phase cascaded H-bridge multilevel inverters under variable power conditions	Indonesian Journal of Electrical Engineering and Computer Science	10.11591/ijeecs.v30.i3.pp1381-1388
Dr. Sachin Kumar	2	Octa-Port High Gain MIMO Antenna Backed with EBG for mm-Wave Applications	Progress In Electromagnetics Research B	10.2528/PIERB23082301
		Numerical Investigation of Split Ring Resonator-Based Terahertz Filter	2023 IEEE East-West Design & Test Symposium (EWDTS)	10.1109/EWDTS59469.2023.10297097
Dr. S. Umamaheswari	1	Investigation of deep learning for whitefly identification in coconut tree leaves	Intelligent Systems with applications	<a href="https://doi.org/10.1016/j.iswa.2023.200290">https://doi.org/10.1016/j.iswa.2023.200290</a>

SDr. P. Sudhanya	1	Design and Simulation of RISC Processor Using Verilog	IEEE Xplore	10.1109/ICIRCA57980.2023.10220777
Dr. R. Jansi	3	Enhancing Sustainability through a Dual-Axis Solar Tracker for Solar-Powered Street Lighting	IEEE Xplore	10.1109/ICECAA58104.2023.10212342
		Advancing Diabetic Retinopathy Detection: Leveraging Deep Learning for Accurate Classification and Early Diagnosis	IEEE Xplore	10.1109/ICCES57224.2023.10192868
		Enhancing Diabetic Retinopathy Diagnosis with Inception v4: A Deep Learning Approach	IEEE Xplore	10.1109/ICIRCA57980.2023.10220890
Dr. Aditya Nath Bhatt	1	Revolutionizing Business Sentiment Analysis: Unleashing the Power of Machine Learning for Enhanced Sentiment Classification	International Conference on Human-Centric Smart Computing-2023, Springer Nature	<a href="https://doi.org/10.1007/978-981-99-7711-6_43">https://doi.org/10.1007/978-981-99-7711-6_43</a>