E.G.S. Pillay Engineering College, Nagpattinam				
Research and Development Cell				
Academic Year of Publication : 2022-2023				
List of Publications				
Department	Staff Name	Title of the Paper	Title of the Journal	Indexing in SCI/Scopus
CSE	ARUL SELVAN G		Journal of Environmental Protection and Ecology	Scopus
CSE	NOORUL AMEEN J	Hybrid trust-based secure routing protocol for detection of routing attacks in environment monitoring over MANETs	INTELLIGENT AUTOMATION & SOFT COMPUTING	SCIE
IT	Manikandan S	Evaluation of Students' Performance in Educational Sciences and Prediction of Future Development using TensorFlow	IEEE xplore	Scopus
IT	Manikandan S	Intelligent Outlier Detection for Smart Farming Application using Deep Neural Network	Book Chapter	Scopus
MECH	Sivaramakrishnan V	XRD, CHNSO, fluorescence, filter-influx, NLO, photoconductivity, hardness and helical springfabricated device stress analysis of 20-chloro-4-methoxy-3-nitrobenzil (CMNB) crystal of different scalings for opto-electronic filter and band gap engineering utilities	Materials Today: Proceedings	Scopus
MECH	Sivaramakrishnan V	Synthesis, theoretical structural explication, super cell configuration, Hardness, tribological data and void space illustration of Creatininium hydrogen maleate - CHM crystal by softwares and by experimental techniques	Journal of Environmental Protection and Ecology	Scopus
MECH	Sivaramakrishnan V	Environmental Based Nonlinear Irreversible Hot Deformation Through Accumulated Diffusion Bonding	AIP Conference Proceedings	Scopus
IT	Manikandan S	Block Chain Technology: Myths, Ethics and Current Trends in IT and ITES	AIRC 2022	Scopus
IT	Manikandan S	DeepQ Sentiment Accuracy in Automated Logistics Dataset using Tensor Flow	AIRC 2022	UGC
IT	Palani Murugan, P., Chinnadurai, M., Manikandan, S.	RECOGNITION OF FONT AND TAMIL LETTER IN IMAGES USING DEEP LEARNING	CMC-Computers, Materials & Continua	SCIE and Scopus
IT	Manikandan S	Tour Planning Design for Mobile Robots Using Pruned Adaptive Resonance Theory Networks	Intelligent Automation & Soft Computing	SCIE and Scopus
IT	Manikandan S	Deep sentiment learning for measuring similarity recommendations in twitter data	Intelligent Automation & Soft Computing	SCIE and Scopus
IT	Manikandan, S., Chinnadurai, M.	Speech quality enhancement using phoneme with cepstrum variation features	Intelligent Automation and soft computing	SCIE and Scopus
IT	Manikandan S	Virtualized Load Balancer for Hybrid Cloud Using Genetic Algorithm	Intelligent Automation and soft computing	Scopus
IT	Manikandan S	Course and Programme Outcomes Attainment Calculation of Under Graduate Level Engineering Programme Using Deep Learning.	IEEE xplore	Scopus
CSE	Dr. R. Manivannan	Detecting and avoiding the stress level by user through social networks (DCNN classifier)	Sustainable Computing : Informatics & Systems	SCIE
CSE	Sugumaran V.R.	An IoT based environment conscious green score meter towards smart sustainable cities	Journal of Environmental Protection and Ecology	Scopus
CSE	Dr.M.Priya	SECURE AND ZONE ROUTING PROTOCOL FOR EFFICIENT PACKET AGGREGATION IN MANET BASED ENVIRONMENT RISK ASSESSMENT	ECS Transaction-IoP Science	Scopus
MCA	Dr.J.Vanitha	AI & ML – Based Voice Assistant Using Python	E- Book Block chain Technology	scopus
MCA	Dr.C.Mallika	Blockchain using in Supply Chain Management for Society 5.0	E- Book Block chain Technology	scopus

CSE	Dr. K. Balasubramanian	Water Level Prediction In Water Shed Management Utilizing Machine Learning	Journal of Environmental Protection and Ecology	Scopus
CSE	Dr. K. Balasubramanian	Analysis of Eco-Environmental Risk Using Improved Principal Component Analysis Algorithm	Journal of Environmental Protection and Ecology	Scopus
EEE	S. Senthilkumar, V. Mohan, T. Senthi	Soliton propagation in colloidal suspension: Numerical simulation and modulation in-stability	International Journal of Advanced Technology and Engineering Exploration,	Scopus
EEE	G.Ganesan@Subramanian, Albert al	Application of flower pollination algorithm for solving colmplex large -scal power system restoration problem using pdff controllers	Neuro Quantology	Scopus
EEE	G.Jaya bharathi, T.Suresh Padmanabl	Planning and Optimization of Energy Scheduling in Cohesive Renewable Energy Microgridto Meet Electric Load Demand of an Educational Institution	Hindawi Complexity	Scopus
EEE	Mayapandi Mokkamayan, Suresh Pa	An Optimized Deep Learning Approach for Predicting the Electric Motor Temperature Using IOT Sensors	Journal of electrical engineering & Technology	Scopus
EEE	S. Sivamani, V. Mohan	A Three-Phase Reduced Switch Count Multilevel Inverter Topology	International Transactions on Electrical Energy Systems	Scopus
EEE	S. Senthilkumar, V. Mohan, T. Senthi	Soliton propagation in colloidal suspension: Numerical simulation and modulation in-stability	Neuro Quantology	Scopus
EEE	Sureshbabu, Suresh Padmanabhan,	Design and analysis of a photovoltaic-powered charging station for plug-in hybrid electric vehicles in college campus	IET Electrical Systems in Transportation	SCI
EEE	Dr.M.VINOTHKUMAR	Robust Controller Based Power Frequency Regulation for Deregulated Power Systems with Case Study	Journal of Harbin Institute of Technology	Scopus
EEE	S. Senthilkumar, V. Mohan , S. P. Mangaiyarkarasi and M. Karthikeyan,	Analysis of Single-Diode PV Model and Optimized MPPT Model for Different Environmental Conditions	International Transactions on Electrical Energy Systems	SCI
EEE	M. Bhoopathi,P. Palanivel	Estimation of Locational Marginal Pricing Using Hybrid Optimization Algorithms	Intelligent automation & Soft computi	SCI
EEE	G. Krithiga V. Mohan	Elimination of Harmonics in Multilevel Inverter Using Multi-Group Marine Predator Algorithm-Based Enhanced RNN	International Transactions on Electrical Energy Systems	SCI
EEE	Ramachandran Lakshmanan, Mohan Veerasamy	A novel neural network model for shrimp segmentation to detect white spot syndrome	Journal of Intelligent & Fuzzy System	SCI
EEE	V. Mohan, S. Senthilkumar	IoT based fault identification in solar photovoltaic systems using an extreme learning machine technique	Journal of Intelligent & Fuzzy System	SCI
EEE	S. Senthilkumar, V. Mohan, T. Senthil Kumar, G. Chitrakala, L. Ramachandran& D. Devarajan	Solar Powered Pesticide Sprayer with Mobile Charger and LED Light	International Journal of Innovative Science and Research Technology.	(Google Scholar)
ECE	Dr.M.IRSHAD AHAMED	Comparative energy bandgap analysis of Zinc and Tin based Chalcogenide Quantum dots	Revista Mexicana de fisica	SCI -Expanded
ECE	Dr.V SATHIYA	Mobile robot path planning using fuzzy enhanced improved Multi-Objective particle swarm optimization (FIMOPSO)	Expert Systems with Applications	SCI -Expanded
ECE	M NUTHAL SRINIVASAN	An Efficient video inpainting approach using deep belief network	Computer system science and engineering	SCI -Expanded
ECE	L.RAMACHANDRAN	A novel neural network model for shrimp segmentation to detect white spot syndrome	Journal of Intelligent & Fuzzy Systems	SCI
ECE	Dr.V.SATHIYA	An Evolutionary Online Motion Planning of Car-Like Mobile Robots with Velocity Obstacles	Communication and intelligent system book chapter	Scopus
ECE	Dr.M.IRSHAD AHAMED	Quantum dots and their applications in television display technologies	World journal of advanced research and reviews	UGC
ECE	N .PRATHAP	Quantum dots and their applications in television display technologies	World journal of advanced research and reviews	UGC
ECE	Dr.M.NUTHAL SRINIVASAN	Quantum dots and their applications in television display technologies	World journal of advanced research and reviews	UGC

ECE	KAVITHA M	An Efficient VLSI design Of Fixed-Width Booth Multiplier for Edge Detection Scheme	International Journal for Research Trends and Innovation	google scholar
ECE	KAVITHA M	Fall Detection System using YOLO Version	International Journal for Research Trends and Innovation	google scholar
ECE	M. MALATHI	Multimode Textile Array Antenna for Millimeter WaveWearable Applications	Journal of Communications	SCOPUS
ECE	M. MALATHI	A Hybrid Deep Learning Model for Effective Segmentation and Classification of Lung Nodules from CT Images	Journal of Intelligent & Fuzzy systems	SCI
ECE	RS,Koteeshwari	Spectrum sensing techniques for 5G wireless networks: Mini review	Sensors International	Scopus
ECE	RS,Koteeshwari	Compressive spectrum sensing for 5G cognitive radio networks – LASSO approach	Heliyon	
ECE	Senthilkumar S	IoT based fault identification in solar photovoltaic systems using an extreme learning machine technique	Journal of Intelligent & Fuzzy Systems	SCIE
ECE	Senthilkumar S	Analysis of Single-Diode PV Model and Optimized MPPT Model for Different Environmental Conditions	International Transactions on Electrical Energy Systems	SCIE
ECE	Senthilkumar S	Wireless Bidirectional Power Transfer for E-Vehicle Charging System	IEEE xplore	Scopus
ECE	Dr. Rajasri S	A CPW fed Metamaterial-Inspired Hexagonal Patch Antenna for Multiband Operation	IEEE xplore	Scopus
ECE	Dr. Rajasri S	Method of Analysing a Metamaterial Unit Cell with Square and Hexagonal Shaped Waveguide Setup for Accuracy	IEEE xplore	Scopus
ECE	Dr. Rajasri S	CPW-fed octagonal-shaped metamaterial-inspired multiband antenna on frequency selective surface for gain enhancement	Applied Physics A	SCI
ECE	Dr. Rajasri S	Miniaturized coplanar waveguide-fed metamaterial inspired antenna for radio frequency identification applications	Microwave and Optical Technology Letters	SCI
ECE	Dr. Rajasri S	Design and Performance Analysis of Metamaterial-Inspired Decagon-Shaped Antenna for Vehicular Communications	Progress In Electromagnetics Research C	SCI
EEE	Dr.P.J.SURESH BABU , Dr.T.SUTRESH PADMANABHAN , Dr.G.GANESAN	Design and analysis of a photovoltaic-powered charging station for plug-in hybrid electric vehicles in college campus	IET ELECTRICAL SYSTEM IN TRANSPORTATION	SCI