

Velammal College of Engineering and Technology, Madurai – 625 009

(Autonomous)

Journal/Conference Publication Details

Department of Electrical and Electronics Engineering

Academic Year 2024-2025

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
1	Liberte Journal	Cognitive IVR-Integrated GSM Framework for Intelligent Load Regulation and Energy Optimization	Dr.A.Shunmugalatha	WoS	April 2025
2	IEEE - 2nd National Conference on Multidisciplinary Research and Innovations in Engineering and Technology	Power Quality Monitoring in Electric Grid Integrating Offshore Wind Energy	Dr.A.Shunmugalatha	Scopus	April 2025
3	IEEE Conference	An Efficient Perceptive Fault Detection System Using IoT	Dr.A.Shunmugalatha	SCOPUS	20.08.2024
4	GRENZE International Journal of Engineering and Technology (GIJET)	Sustainable Heating and Cooling Solutions Utilizing Solar and Fuel Cell Technologies	Dr.R.Narmatha Banu	SCOPUS	2025
5	LIBERTE JOURNAL	Battery Management for Electric Vehicle using IoT	Dr.R.Narmatha Banu	WoS/Google Scholar	2024
6	IET	Development and Performance Analysis of Arduino-Based Low-Cost Power Quality Analyzer	Dr.R.Narmatha Banu	SCOPUS	2024
7	IEEE Conference	Enhancement of Frequency Regulation by TFOID Controller in	Dr.R.Narmatha Banu	SCOPUS	2024

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/ WoS/Google Scholar	Date of Publication
		Hybrid Renewable Energy with Battery Storage System			
8	Innovations in Power Systems and Applications	Enhancing power systems with AI: Design to emission reduction	Dr. N. Karpagam	SCI/ SCOPUS	May 2025
9	Proceedings of 5th International Conference on Trends in Material Science and Inventive Materials	Adaptive Residual Group Dual-Channel Pulse-Coupled Neural Network for Autonomous Drone Navigation in Complex Urban Wind Zones	Dr. N. Karpagam	SCI / SCOPUS	May 2025
10	International Conference on Sustainable Communication Networks and Application Icsna 2023 Proceedings	Lifecycle-Based Optimization of Home Energy Management: PV–Battery– EV Scheduling Using Giant Trevally Optimization	Dr. N. Karpagam	SCI / SCOPUS	May 2025
11	IEEE Conference	Development of FLC based DSTATCOM & DVR to eliminate power quality issues in grid connected HRES	Dr. N. Karpagam	SCI / SCOPUS	December 2024
12	Proceedings of the 7th International Conference on Intelligent Sustainable Systems Iciss 2025	Air Pollution Control and Monitoring in Smart Cities	Dr. S. Dhanalakshmi	SCI/ SCOPUS	2025
13	Proceedings of 2024 2nd International Conference on Recent Trends in Microelectronics Automation Computing and Communications Systems Exploration	A DC-DC Boost Converter with Switching Inductor and Capacitor with High Gain for Solar Microgrid Applications	Dr. S. Dhanalakshmi	SCI/ SCOPUS	2025

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
	and Blend of Emerging Technologies for Future Innovation Icmacc 2024				
14	Springer	A Novel approach of DC-DC Converter for Electric Vehicle Battery Charging	Dr. S. Dhanalakshmi	Springer LNEE	2025
15	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies Iccigst 2024 Proceedings-IEEE	Intelligent IoT Enabled 3D Printed Hand for Sewage Block Detection and Clearance	Dr. S. Dhanalakshmi	SCOPUS	2024
16	Journal of Propulsion Technology	Analyszing Integrated Teng-Photovoltaic cell-based Hybrid Renewable Energy System for increased efficiency	Dr. S. Dhanalakshmi	SCOPUS	2024
17	IEEE Access (Sci)	Expediency Analysis of Clustering Algorithms for Electric Two-wheeler Driving Cycle	Dr. A. Radhika	SCI/ Google Scholar	2024
18	IEEE Conference	Monitoring and control of hybrid power system with Energy storage system	Dr. A. Radhika	SCOPUS / Google Scholar	2024
19	E3S conference	Performance and Analysis of Soft Computing Techniques with Energy Management Framework in IoT Networks	Dr. A. Radhika	SCOPUS/ Google Scholar	2024

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
20	IEEE Conference	Blockchain and AI-Driven Palmprint Biometrics for Secure Voting Systems in E-Governance Applications	Dr.T.Chandrasekar	SCOPUS	07.03.2025
21	IEEE Conference	Enhancing Transformer Maintenance with Predictive Analytics	Dr.T.Chandrasekar	SCOPUS	13.12.2024
22	IEEE Conference	Improving User Experience in Movie Recommendations Using Machine Learning	Dr.T.Chandrasekar	SCOPUS	12.12.2024
23	IEEE Conference	Deep Learning-Based Prediction of Physical Activity Intensity for Athletes	Dr.T.Chandrasekar	SCOPUS	23.08.2024
24	International research Journal of Multidisciplinary Scope(IRJMS)	Implementation of Shunt Active Power Filter in Three Phase Inverter for Fault Detection and Mitigation of Harmonics	Dr.B.Kiruthiga	SCOPUS/ Google Scholar	30.04.2025
25	International Journal of Electrical And Electronics Research(IJEER)	Implementation of PI controller based Hybrid DC Microgrid Energy Management	Dr. B. Kiruthiga	SCOPUS/ Google Scholar	25.10.2024
26	Protection and Control of Modern Power Systems	Optimizing Harmonic Mitigation for Smooth Integration of Renewable Energy: A Novel Approach Using Atomic Orbital Search and Feedback Artificial Tree Control	Dr. B. Kiruthiga	SCI/ SCOPUS	01.07.2024
27	Liberte Journal	Cognitive IVR-Integrated GSM Framework for Intelligent Load	V.Umayal Muthu	WoS	Apr 2025

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
		Regulation and Energy Optimization			
28	IEEE Conference	An Efficient Perceptive Fault Detection System Using IoT	V.Umayal Muthu	SCOPUS	20.08.2024
29	E3S Web of Conferences	Performance and Analysis of Soft Computing Techniques with Energy Management Framework in IoT Networks	V.Umayal Muthu	SCOPUS	09.07.2024
30	IEEE conference	Vr-Hmt: Virtual Reality-Driven Human Motion Tracking System via Mask Rcn for Real-Time Monitoring	Dr.S.Chellam	SCOPUS	Apr 2025
31	Liberte Journal	Renewable Energy Generation from food waste	Dr.S.Chellam	WoS	Mar 2025
32	IEEE conference	The Future Charged: Optimizing Electric Vehicle Performance through Advanced Power Management Strategies	Dr.S.Chellam	SCOPUS	Nov 2024
33	Measurement: sensors	Mitigation of attack detection via multi-stage cyber intelligence technique in smart grid	Dr.S.Chellam	SCI	Oct 2024
34	Springer Nature	Advanced Electrical Treatment Technologies for Preventing Hazardous Industrial Chemicals from Entering Wastewater Systems	Dr.S.Muthulakshmi	Scopus	2025
35	Springer Nature	Future Directions for IoT and AI-Based Zero	Dr.S.Muthulakshmi	Scopus	2025

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/ WoS/Google Scholar	Date of Publication
		Liquid Discharge (ZLD) Systems in Industrial Applications			
36	IETE Journal of Research	Development of Sliding Mode Control - Adaptive Neuro-Fuzzy Inference Strategy Algorithm for Three Phase 15 Level MLI	Dr.T.Deepika Vinothini	SCI	June 2024
37	IEEE conference	Techno-Economic Study of Grid-Integrated Solar Residential Energy Management(REM) system	Dr.T.Deepika Vinothini	SCOPUS	September 2024
38	Materials Today: Proceedings	Performance Investigation of double input enhanced converter for hybrid renewable energy	Dr.T.Deepika Vinothini	SCI	June 2024
39	2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT)	Intelligent Charge Controllers for EVs Using Whale Optimization Algorithm for Demand Management	Dr. A. Madhan	SCOPUS	21.02.2025
40	2024 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	Advancements in Battery Technology for Electric Vehicles: Integrating Machine Learning for Enhanced Performance	Dr. A. Madhan	SCOPUS	21.09.2024
41	International Journal of Electrical and Computer	Mask FORD-NET: Efficient Detection of Digital Image Forgery	M.Devaki	Scopus	June 2025

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
	Engineering Systems	using Hybrid REG-NET based Mask-RCNN			
42	IEEE - 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM 2025)	IoT based Fuel Integrity Monitoring System for Automobiles	M.Devaki	Scopus	May 2025
43	IEEE - 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM 2025)	Adaptive Flight Stabilization System Using Proportional Integral Derivative (PID)	M.Devaki	Scopus	April 2025
44	IEEE - 8th International Conference on Electronics Communication and Aerospace Technology (ICECA 2024)	IoT-Enabled Precision Irrigation for Coconut Plantations: Enhancing Growth and Sustainability	M.Devaki	Scopus	Dec 2024
45	IEEE conference	A GRU Driven machine learning model for detecting cyberbullying on twitter	R.Saranya	Scopus	Dec 2024
46	IEEE conference	Enhancing lung disease identification with multimodal data fusion and deep learning CNN Approach	R.Saranya	Scopus	Dec2024
47	IEEE conference	Segmentation of lung images using hybridization of fuzzy C Means and morphological Techniques	R.Saranya	Scopus	Nov 2024

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S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
1	Journal of Photoenergy	An improved tuning of PID controller for PV battery power brushless DC motor speed regulation using Hybrid Horse Herd Particle Swarm Optimization	Dr.A.Shunmugalatha	SCOPUS	2024
2	Journal of Intelligent and Fuzzy system,	A palm tree optimization algorithm and its application	Dr.A.Shunmugalatha	SCOPUS	2024
3	Journal of Electrical Engineering & Technology	Experimental Investigation of Efficiency Enhancement in Solar Photovoltaic Systems Under Partial Shading Conditions Using Discrete Time Slime Mould Optimization	Dr.A.Shunmugalatha	SCOPUS	2024
4	IEEE Conference	Design and Development of Autonomous Smart Energy Meter with Remote Management Control	Dr.A.Shunmugalatha	SCOPUS	Sep 2023
5	E3S conference	Rescue Wear the Cutting Edge Wearable Technology for Emergency Operations	Dr.A.Shunmugalatha	SCOPUS	15.05.2023
6	Journal For Basic Sciences	Implementation of smart energy meter with power management using low power embedded controller	Dr.A.Shunmugalatha	Google Scholar	2023
7	Journal of Electrical Engineering & Technology	Power Quality enhancement in hybrid Energy Systems Grid-connected Scheme by	Dr.A.Shunmugalatha	SCOPUS	2023

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
		Modified Non-dominated Sorting Genetic Algorithm			
8	Electric Power Systems Research	A Robust approach for mitigating load voltage imbalances using glowworm swarm optimizer for power quality enrichment	Dr.A.Shunmugalatha	SCOPUS	2023
9	Springer	Evolutionary based multi objective optimal power flow considering real time uncertainties in wind farms and load demand	Dr.A.Shunmugalatha	SCOPUS	2023
10	AIP	A Literature Review on Energy Management in Microgrid	Dr.R.Narmatha Banu	SCOPUS	2023
11	IEEE Digital Explorer	Transmission Line Quality Inspection using AI	Dr.R.Narmatha Banu	SCOPUS	May 2024
12	IEEE Digital Explorer	Optimized ANN based MPPT for Solar Photovoltaic System	Dr.R.Narmatha Banu	SCOPUS	May 2024
13	IET	Coma patient monitoring system	Dr.R.Narmatha Banu	SCOPUS	April 2024
14	Electric Power Components and Systems, Taylor & Francis Inc ,	SEPIC-Based DC–DC Converter with Soft Switching Operation for Wide Conversion Operation of E-Automobiles	Dr. N. Karpagam	SCOPUS	June 2024

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
15	Electric Power Components and Systems, Taylor & Francis Inc ,	Power Quality Improvement of Hybrid Distributed System Using MGWO Technique	Dr. N. Karpagam	SCOPUS	Feb 2024
16	Journal of environmental protection and ecology	Solar -fed electric vehicle for environmental protection and sustainable development	Dr.S.Dhanalakshmi	SCI	2023
17	Journal of Propulsion Technology	Design and Control of Modified Super Lift Luo Converter for Electric Vehicle	Dr.S.Dhanalakshmi	SCI	2023
18	Wiley	Electric vehicle smart charging with network expansion planning using hybrid COA-CCG-DLNN approach	Dr.A.Radhika	SCI	Nov 2023
19	IEEE conference	Recommendation system sparrow research optimization algorithm	Dr.A.Radhika	SCOPUS	2023
20	Wiley	Power electronics converters for an electric vehicle fast charging station based energy storage system and renewable energy sources: Hybrid approach	Dr.A.Radhika	SCI	May 2023
21	IEEE conference	Analysis and Implementation of Power	Dr.A.Radhika	SCOPUS	2023

S. No	Name of the Journal/Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/WoS/Google Scholar	Date of Publication
		Optimizer Using sliding Mode Control			
22	IEEE Conference	Atmega Controller-based Engine Immobilization and Detection of Alcohol in Light-Duty Vehicles	Dr.T.Chandrasekar	SCOPUS	25.8.2023
23	IEEE Conference	Machine Learning Method for Recognizing Human Eye Pupil Region	Dr.T.Chandrasekar	SCOPUS	23.8.2023
24	Third International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS)	Transmission Line Quality Inspection Using AI	Dr.B.Kiruthiga	SCOPUS	March 2024
25	7th IET Smart Cities Symposium (SCS 2023), Hybrid Conference, Bahrain,	Coma patient monitoring system	Dr.B.Kiruthiga	SCOPUS	Nov 2023
26	AIP Conf. Proc.	Design and development of reduced switch single phase multilevel inverter fed from isolated photovoltaic system	Dr.B.Kiruthiga	SCOPUS	Sep 2023
27	IEEE Conference	Design and Development of Autonomous Smart Energy Meter with Remote Management Control	V.Umayal Muthu	SCOPUS	Sep 2023
28	E3S conference	Rescue Wear the Cutting Edge Wearable Technology for Emergency Operations	V.Umayal Muthu	SCOPUS	15.05.2023

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
29	Journal For Basic Sciences	IMPLEMENTATION OF SMART ENERGY METER WITH POWER MANAGEMENT USING LOW POWER EMBEDDED CONTROLLER	V.Umayal Muthu	Google Scholar	2023
30	Journal of Intelligent & Fuzzy Systems	Congestion cost estimation using AdaptiveRex Fox algorithm in Resturcured electricity market	Dr.S.Chellam	SCI	Nov 2023
31	IJEER	Wind Energy Conversion System using Cascading H-Bridge Multilevel Inverter in High Ripple Scenario	Dr.S.Chellam	SCI	Mar 2024
32	Smart Innovation, Systems and Technologies	Modified Elephant Herd Optimization -based Advanced Encryption Standard	Dr.S.Chellam	SCI	Dec 2023
33	Intelligent Data Engineering and Analytics	Estimation of Wind Energy Reliability Using Modeling and Simulation Method	Dr.S.Chellam	SCI	Dec 2023
34	IGI Global publication	Implementing Secure Machine Learning: A Decision Tree Approach for Smart Grid Stability	Dr.S.Muthulakshmi	Scopus	2024
35	IGI Global publication	Implementing Secure Machine Learning: A Decision Tree Approach for Smart Grid Stability	Dr.S.Muthulakshmi	Scopus	2024
36	Computer Systems Science & Engineering	Selective Harmonics Elimination Technique for Artificial Bee Colony Implementation	Dr.T.Deepika Vinothini	SCI	Aug 2023

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37	IEEE Conference	Study of Home Energy Management (HEM) considering Grid-Integrated Solar	Dr.T.Deepika Vinothini	SCOPUS	Mar 2024
38	Journal of Electrical Engineering & Technology	Real-time installation of a smart energy meters using the long-range network	Dr. A. Madhan	SCI/ SCOPUS	Jan 2024
39	International Conference on Sustainable Communication Networks and Applications (ICSCNA 2023)	Power Quality Improvement in Distribution System Using Unified Power Quality Conditioner (UPQC) with Renewable Energy Sources	M.Devaki Dr.N.Karpagam K.Nagarani	Scopus	Jan 2024
40	IEEE - 2023 International Conference on Energy Materials and Communication Engineering (ICEMCE 2023)	IoT Based Power Quality Monitoring in Smart Grid	M.Devaki Dr.A.Shunmugalatha R.Saranya	Scopus	Oct 2023
41	International Journal of Intelligent Engineering and Systems	SOOTYDEEPPIC: Food Item Classification Using Sooty Tern Optimized Deep Learning Network	M.Devaki	Scopus	Sep 2023
42	International Journal of Electrical and Electronics Research	Black widow optimization for power system load frequency control:A comparative study	R.Saranya	Scopus	Oct 2023

Academic Year 2022-2023

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
1	International Journal of Photoenergy, Hindawi	Design and Implementation of a New Fast and Efficient MPPT Controller under Different Solar Irradiance Conditions	Dr.A.Shunmugalatha	SCOPUS	Apr 2022
2	International Research Journal of Modernization in Engineering Technology	EFFICIENT LOAD SHARING WITH AUTOMATED METER READING SYSTEM	Dr.A.Shunmugalatha	Google Scholar	Jun 2022
3	International Journal of Photoenergy, Hindawi	Feature-Reduced Stability Analysis of Islanded Photovoltaic Microgrid Inverters	Dr.R.Narmatha Banu	SCI	2022
4	Arabian Journal for Science and Engineering	Design and Analysis of LSANN-IPOMPPT with Zeta Converter in PV Systems for Fluctuating Atmospheric Circumstances	Dr.R.Narmatha Banu	SCI	2022
5	E3S Web of Conferences, 2023, 387, 01009	Optimal Placement Identification of Multiple DG Types Using Optimization Technique	Dr.R.Narmatha Banu	SCOPUS	2023
6	“Futuristic trends in medical sciences, IIP Series	Self-monitoring and cleaning system for Solar Pane	Dr. N. Karpagam	SCI	2023
7	Design and Control of Modified Super Lift Luo Converter for Electric Vehicle Applications	Electric Power Components and Systems,2023	Dr.S.Dhanalakshmi	SCI	2023

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
8	Analyzing of hydel, wind and fuel cell hybrid system for rural electrification with reduced cost of energy	E3S Web of Conferences, 2023, 387, 02007	Dr.S.Dhanalakshmi	WoS	2023
9	Predicting energy usage for smart home using smart switch	Predicting energy usage for smart home using smart switch	Dr.A.Radhika	Google scholar	2023
10	E3S Web of Conferences	Optimal Placement Identification of Multiple DG Types Using Optimization Technique.	Dr.B.Kiruthiga	SCOPUS	May 2023
11	E3S Web of Conferences	Implementation of RFID to protect the neonate in hospitals from abduction	Dr.B.Kiruthiga	SCOPUS	May 2023
12	IEEE Explore , 2023 International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India,	Implementation and Classification of Breast Cancer histopathological image Processing using Support Vector Machine	Dr.B.Kiruthiga	SCOPUS	May 2023, pp. 1-7, doi: 10.1109/ICCCI5674.5.2023.10128205.
13	International Research Journal of Modernization in Engineering Technology	EFFICIENT LOAD SHARING WITH AUTOMATED METER READING SYSTEM	V.Umayal Muthu	Google Scholar	June 22
14	Book chapter	Blockchain-enabled electric vehicle charging	Dr.S.Chellam	SCI	Apr 2023
15	NeuroQuantology	ATC calculation in Deregulated Power System Using Power World Simulator	Dr.S.Chellam	SCOPUS	Aug 2022
16	NeuroQuantology	Intelligent Based Sewage Block Detection and	Dr.S.Chellam	SCOPUS	Oct 2022

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
		Clearance System Using IoT			
17	International Conference	Performance Investigation of double input enhanced converter for hybrid renewable energy system	Dr.T.Deepika Vinothini	SCOPUS	Dec 2022
18	IEEE International Conference	Development of a three-level soft switching topology for renewable energy applications with multiple operating modes	Dr.T.Deepika Vinothini	SCOPUS	Jan 2023

Academic Year 2021-2022

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
1	Wiley Optimal control applications and methods	Optimal control method for power system reactive power management considering real time uncertainties	Dr.A.Shunmugalatha	SCOPUS	Apr-22
2	International Journal Of Advanced Research Trends In Engineering And Technology (IJARTET)	RFID Based System For School Children Transportation Safety Enhancement	Dr.A.Shunmugalatha	Google Scholar	2022
3	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS)	Musa Hand Rip Off Appliance Using Arduino	Dr.A.Shunmugalatha	Google Scholar	2022

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
4	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS)	A Recognition System Of Vehicle's For Heterogeneous And Lane-Less Traffic Using A Multiple Inductive Loop	Dr.A.Shunmugalatha	Google Scholar	2022
5	Internationalresearch Journal Of Modernization In Engineering Technology And Science	Efficient Load Sharing With Automated Meter Reading System	Dr.A.Shunmugalatha	Google Scholar	2022
6	International Research Journal Of Modernization In Engineering Technology And Science	Generation And Estimation Of Electricity From Food Waste	Dr.A.Shunmugalatha	Google Scholar	2022
7	Journal of Ambient Intelligence and Humanized Computing	Estimation of Loadability limit with N-1 and N-2 outages using evolutionary computation techniques	Dr.A.Shunmugalatha	SCOPUS	June2021
8	International Research Journal Of Modernization In Engineering Technology and Science	Tamper Free Digital Fare Meter	Dr.R.Narmatha Banu	Google scholar	June 2022
9	International Journal of Innovative Science and Research Technology	Wheeled Mobility With Health Monitoring System	Dr.R.Narmatha Banu	Google scholar	June 2022
10	International Research Journal Of Modernization In Engineering	IoT BASED Intelligent Sewage Block Detection and Clearance System	Dr.S.Dhanalakshmi	Google scholar	2022

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
	Technology And Science				
11	International Journal of Engineering Research and Applications	Performance Assessment Of Boost, Cuk And Zeta Converter With Neural Network MPPT In PV Systems For Varying Weather Patterns	Dr.A.Radhika	Google scholar	04.01.2022
12	International Research Journal Of Modernization In Engineering Technology And Science(IRJMETS)	IoT Based Smart Farm	Dr.A.Radhika	Google scholar	Jun 2022
13	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Intelligent demand response for domestic loads in smart grid	V.Umayal Muthu	Google scholar	April 2021
14	International Research Journal of Modernization in Engineering Technology and Science	Performance analysis of advanced smart meter in smart grid for smart electricity consumption	V.Umayal Muthu	Google scholar	March 2021
15	International Research Journal Of Modernization In Engineering Technology And Science	Generation And Estimation Of Electricity From Food Waste	Dr.S.Chellam	Google scholar	May 2022
16	Dickensian Journal	Operation Cost Minimization For	Dr.S.Chellam	UGC	June 2022

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/ SCOPUS/ WoS/Google Scholar	Date of Publication
		Electric Vehicle Charging Station With Battery Energy Storage System			
17	2021 Innovations in Power and Advanced Computing Technologies (i-PACT)	Smart Monitoring System for Leakage Current and Excess Power Harvesting System for Industrial Applications	Dr. A. Madhan	SCOPUS	27.11.2021

Academic Year 2020-2021

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/ WoS/Google Scholar	Date of Publication
1	Journal of Ambient Intelligence and Humanized Computing	RETRACTED ARTICLE: Estimation of loadability limit with N-1 and N-2 outages using evolutionary computation techniques	Dr. A Shunmugalatha	SCI	June 2021
2	Solid State Technology	Fibonacci based fuzzy controller for grid connected solar photovoltaic system	Dr. A Shunmugalatha	WoS	Feb 2021
3	Solid State Technology	Improving control flexibility of Electric Spring using Intelligent Neuro Controller	Dr. A Shunmugalatha	WoS	Dec 2020
4	International Journal of Soft Computing, Springer	Detection and classification of power quality disturbances or events by adaptive NFS classifier	Dr.B.Kiruthiga	SCI	Nov 2020

S. No	Name of the Journal/ Conference	Title of the Paper	Name of the Author	SCI/SCOPUS/ WoS/Google Scholar	Date of Publication
5	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	IoT based drips monitoring system in hospitals	Dr.B.Kiruthiga	Google Scholar	April 2021
6	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Smart Safety Enhancement For Mountain Roads	Dr.B.Kiruthiga	Google Scholar	April 2021
7	International Journal for Research in Applied Science & Engineering Technology	An Intelligent Transmission Line Fault Detection System based on Internet of Things (IoT)	V.Umayal Muthu	Google Scholar	2020
8	Suraj Punj Journal for Multidisciplinary Research	Sensor based Peak Demand Management	Dr.S.Chellam	UGC	Apr 2021
9	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Dissolved gas analysis of mineral oil for power transformer Fault diagnosis using soft computing techniques	Dr.S.Chellam	Google scholar	May 2021
10	Tierärztliche Praxis journal	Congestion Cost Estimation in Deregulated Transmission Network Using Optimal Power Flow Tracing	Dr.S.Chellam	WoS	Feb 2021