

List of Journal Publications for the AY: 2024-2025

Sl. No	Title of the paper	Authors	Name of the Journal	Publisher	Doi	Indexing & Quartile
1	Application of Covariance matrix adaptation-evolutionary strategy for modified constrained optimal power flow problem incorporating valve point and emission effect	Karuppiah N Praveen Kumar B	International Transactions on Electrical Energy Systems	John Wiley and Sons Inc	https://doi.org/10.1155/2024/8933933	SCI (Q2)
2	Model based multi-loop predictive control scheme for multivariable processes	Karuppiah Natarajan Patil Mounica	Discover Applied Sciences	Springer Nature	https://doi.org/10.1007/s42452-025-06615-z	SCI (Q2)
3	Modular multilevel converter-based hybrid energy storage system for electric vehicles: Design, simulation, and performance evaluation	Ravivarman Shanmugasundaram	ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS	Taylor & Francis Group LLC	https://doi.org/10.1080/15567036.2024.2434199	SCI (Q2)
4	IOT Based intelligent energy monitoring of grid connected hybrid systems and controlling of loads using plc	Muruga Perumal Krishnamoorthy	Transactions on Energy Systems and Engineering Applications	Universidad Technologica de Bolivar	DOI: 10.32397/tesea.vol5.n2.641	Scopus (Q4)
5	Modeling of hybrid renewable resources and comprehensive feasibility analysis of grid interactive energy system for commercial building: a case study	Murugaperumal Krishna moorthy	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Taylor & Francis Group LLC	https://doi.org/10.1080/15567036.2024.2409947	SCI (Q2)
6	Enhanced QSVM with elitist non-dominated sorting genetic optimisation algorithm for breast cancer diagnosis	Murugaperumal Krishnamoorthy	IET Quantum Communication	John Wiley and Sons Inc	https://doi.org/10.1049/qtj.2024.12113	SCI (Q2)
7	Optimal day-head scheduling of microgrid equipped with electric vehicle and distributed energy resources: SFO-CSGNN approach	Murugaperumal Krishna moorthy	Journal of Energy Storage	Elsevier B.V.	DOI:10.1016/j.est.2024.113933	SCI (Q1)
8	Advancements in Liver Tumor Detection: A Comprehensive Review of Various Deep Learning Models	Murugaperumal Krishna moorthy	Computer Modeling in Engineering & Sciences	Tech Science Press	DOI: 10.32604/cmesci.2024.057214	SCI (Q2)

Sl. No	Title of the paper	Authors	Name of the Journal	Publisher	Doi	Indexing & Quartile
9	A spatio-temporal fusion-based approach for multi-dimensional classification of Parkinson's disease progression using multi-modal dataset	Murugaperumal Krishna moorthy	Results in Engineering	Elsevier	https://doi.org/10.1016/j.rineng.2025.105317	SCI (Q1)
10	Attainment of SDGs through the advancement in solar PV systems	Praveen Kumar Balachandran	Frontiers in Energy Research	Frontiers Media SA	https://doi.org/10.3389/fenrg.2024.1451373	SCI (Q2)
11	Performance evaluation of PI and FLC controller for shunt active power filters	Praveen Kumar Balachandran	Electrical Engineering	Springer	https://doi.org/10.1007/s00202-024-02546-x	SCI (Q2)
12	A New Control Scheme for Wind/Battery Fed UPQC for the power quality enhancement: A Hybrid Technique	Praveen Kumar Balachandran	IETE Journal of Research	Taylor and Francis Ltd.	https://doi.org/10.1080/03772063.2024.2370959	Scopus (Q3)
13	Experimental analysis of enhanced finite set model predictive control and direct torque control in SRM drives for torque ripple reduction	Praveen Kumar Balachandran	Scientific Reports	Nature Research	https://doi.org/10.1038/s41598-024-65202-1	SCI (Q1)
14	IntDEM: an intelligent deep optimized energy management system for IoT-enabled smart grid applications	Praveen Kumar Balachandran	Electrical Engineering	Springer	https://doi.org/10.1007/s00202-024-02586-3	SCI (Q2)
15	Optimal design of hybrid green energy powered reduced switch converter based shunt active power filter using horse herd algorithm	Praveen Kumar B	Scientific Reports	Nature Research	https://doi.org/10.1038/s41598-024-71100-3	SCI (Q1)
16	Design of solar and energy storage systems fed reduced switch multilevel converter with flower pollination optimization	Praveen Kumar B	Journal of Energy Storage	Elsevier	DOI:10.1016/j.est.2024.1133	SCI (Q1)
17	An improved finite set model predictive control of SRM drive based on a voltage vectors strategy for low torque ripple	Praveen Kumar Balachandran	Heliyon	Elsevier	https://doi.org/10.1016/j.heliyon.2024.e39598	SCI (Q1)

Sl. No	Title of the paper	Authors	Name of the Journal	Publisher	Doi	Indexing & Quartile
18	Advancement of electric vehicle technologies, classification of charging methodologies, and optimization strategies for sustainable development - A comprehensive review	Praveen Kumar Balachandran	Heliyon	Elsevier	https://doi.org/10.1016/j.heliyon.2024.e39299	SCI (Q1)
19	Analysis of ludo-shaped configuration of PV arrays under different partial shaded configuration	Balachandran Praveen Kumar	Electrical Engineering	Springer	https://doi.org/10.1007/s00202-024-02816-8	SCI (Q2)
20	Multi objective optimal power flow solutions using nondominated sorting colliding bodies optimization	Praveen Kumar Balachandran	Scientific Reports	Nature Research	https://doi.org/10.1038/s41598-024-77275-z	SCI (Q1)
21	An optimized neural network-honey badger-based control technique for a hybrid solar PV and battery energy storage fed unified power quality conditioner	Praveen Kumar Balachandran	Journal of Energy Storage	Elsevier	https://doi.org/10.1016/j.jest.2024.114818	SCI (Q1)
22	Optimal power generation of proton exchange membrane fuel cell using ANFIS based MPPT algorithm	B Praveen Kumar	Scientific Reports	Nature Research	https://doi.org/10.1038/s41598-024-77696-w	SCI (Q1)
23	Optimizing Photovoltaic Array Performance Under Partial Shading Using a Golden Ratio-Based Configuration: A Comparative Analysis of 16 Configurational Variants	Praveen Kumar B	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	10.1109/ACCESS.2025.3538129	SCI (Q1)
24	Power enhancement of PV arrays in different configurations under different partial shaded condition	Praveen Kumar B	Scientific Reports	Nature Research	https://doi.org/10.1038/s41598-025-91508-9	SCI (Q1)
25	Experimental validation of hybrid L-shape propagated PV array configuration under realistic shading conditions	Praveen Kumar Balachandran	Electrical Engineering	Springer	https://doi.org/10.1007/s00202-025-03043-5	SCI (Q2)

Sl. No	Title of the paper	Authors	Name of the Journal	Publisher	Doi	Indexing & Quartile
26	An intelligent Cuk-Luo fused DC-DC converter for standalone hybrid renewable energy system's peak load power management	Balachandran, P. K.	Automatika	Taylor and Francis Ltd.	https://doi.org/10.1080/00051144.2025.2480411	SCI (Q2)
27	An Improved Power Factor Correction Converter for Switched Reluctance Motor Drive Performance Analysis	Praveen Kumar Balachandran	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	DOI: 10.1109/ACCESS.2025.3561335	SCI (Q1)
28	Solar Fault Net: Advanced Fault Detection and Classification in Solar PV Systems Using SwinProba-GeNet and BaBa Optimizer Models	Praveen Kumar Balachandran	Energy Science & Engineering		https://doi.org/10.1002/ese3.70113	SCI (Q2)
29	Experimental investigation of baffle inclination on the efficiency of a square-baffled solar air heater	Praveen Kumar Balachandran	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Taylor & Francis Group LLC	https://doi.org/10.1080/15567036.2025.2505196	SCI (Q2)
30	Design and simulation of reduced switch converter based solar PV and energy storage fed shunt active power filter with butterfly optimization	Praveen Kumar Balachandran	Results in Control and Optimization	John Wiley and Sons Ltd	https://doi.org/10.1016/j.rico.2025.100554	SCI (Q2)
31	To Measure the Effectiveness of Image Classification Using Support Vector Machine And Extreme Learning Machine	Dr. Patil Mounica	Journal of Neonatal Surgery	EL-MED-Pub	DOI:10.52783/jns.v14.3148	Scopus (Q4)
32	Design of PV fed single-switch transformer less topology powered electric vehicle	Tellapati Anuradha Devi	Transactions on Energy Systems and Engineering Applications	Universidad Tecnológica de Bolívar	DOI: https://doi.org/10.32397/tesea.vol5.n2.571	Scopus (Q4)
33	PM flux-reversal machine for wind energy application	Tellapati Anuradha Devi	International Journal of Applied Power Engineering	Intelektual Pustaka Media Utama	DOI: 10.11591/ijape.v13.i4.pp909-919	SCI (Q2)
34	An evaluation on industrial applications using leakage inductance and series capacitance converter	Tellapati Anuradha Devi	Transactions on Energy Systems and Engineering Applications	Universidad Tecnológica de Bolívar	https://doi.org/10.32397/tesea.vol6.n1.574	Scopus (Q4)

Sl. No	Title of the paper	Authors	Name of the Journal	Publisher	Doi	Indexing & Quartile
35	Demand response-based dynamic economic load dispatch in a microgrid with modified red deer algorithm	Nakka Srinivas	International Journal of Powertrains	Inderscience Enterprises Ltd	https://doi.org/10.1504/IJPT.2024.140123	Scopus (Q4)
36	A Hyperparameter-tuned LSTM Technique-based Battery Remaining Useful Life Estimation Considering Incremental Capacity Curves	Ramakrishna, A	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	doi: 10.1109/ACCESS.2024.3450871	SCI (Q1)
37	Integration of Renewable Energy in Microgrids and Smart Grids in Deregulated Power Systems: A Comparative Exploration	A. Ramakrishna	Advanced Energy and Sustainability Research	Wiley-VCH Verlag	https://doi.org/10.1002/aeasr.202400088	SCI (Q1)
38	Profit maximization of a wind-integrated deregulated system using V2G techniques and TCSC placement	A. Ramakrishna	Frontiers in Energy Research	Frontiers Media SA	https://doi.org/10.3389/feenrg.2024.1400745	SCI (Q2)
39	Risk assessment of electric power generation systems using modified jellyfish search algorithm	Archana Chittari	Transactions on Energy Systems and Engineering Applications	Universidad Tecnológica de Bolivar	DOI:10.32397/tesea.vol5.n2.595	Scopus (Q4)

List of Conference Publications for the AY: 2024-2025

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
1.	B.Poojith Goud M. Sreekar Hari S Jain	Optimizing Line Losses In Distributed Electrical Systems Featuring V2G Integration	2024 IEEE Third International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)	Oct-24	979-8-3503-8719-3	https://ieeexplore.ieee.org/document/10719086	Scopus
2.	Natarajan Karuppiah Patil Mounica	Revolutionizing Renewable Energy Integration: The Innovative Gravity Energy Storage Solution	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454703028	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
3.	N. Karuppiyah Patil Mounica	Monitoring and Coordinated Control of Hybrid Power System with Energy Storage Device using Arduino	2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2024)	Aug-24	979-8-3503-7999-0	doi: 10.1109/ICSCSS60660.2024.10625584.	Scopus
4.	Natarajan Karuppiyah Patil Mounica Murugaperumal kriahna moorthy B. Praveen Kumar	Triple-Stream Temporal Model (TSTM): Enhancing Solar Energy Forecasting Using Hybrid Deep Learning Methods	2024 3rd International Conference for Advancement in Technology	Dec-24	979-8-3503-5417-1	doi: 10.1109/ICONAT61936.2024.10774874.	Scopus
5.	Karuppiyah Natarajan Vinod Reddy Anuradha Devi Tellapati	Detection of Floating Waste on Water Bodies	2024 Global Conference on Communications and Information Technologies (GCCIT) Bangalore, India. Oct 25-26, 2024	Feb-25	979-8-3503-8891-6	DOI: 10.1109/GCCIT63234.2024.10862494	Scopus
6.	Karuppiyah Natarajan	AI and IoT-Enabled Smart Urban Waste Management System for Efficient Collection, Segregation, and Disposal	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561903002	Scopus
7.	N. Karuppiyah	Bridging Nature and Nanotechnology: A Review on the Potential of Herbal Nanoparticles in Medicine	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561905005	Scopus
8.	N. Karuppiyah	Smart Home and Security Systems: An IoTBased Approach Utilizing ESP 32 and Multisensor Integration	2nd International Conference on Renewable Energy, Green Computing and Sustainable Development (ICREGCSD 2025)	Feb-25	E3S Web Conf. Volume 616, 2025	https://doi.org/10.1051/e3sconf/202561602004	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
9.	N. Karuppiyah	Performance and Analysis of Cuk Converter for Electric Vehicle Battery Charger Along with Resonant Converter	14th EAI International Conference, BROADNETS 2024, Hyderabad, India, February 16–17, 2024, Proceedings, Part II	Feb-25	978-3-031-81171-5	https://doi.org/10.1007/978-3-031-81171-5_7	Scopus
10.	Karuppiyah Natarajan	Securing the Web using URL based Analysis and Machine Learning Algorithms	5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	Jun-25	979-8-3315-3519-3	doi: 10.1109/ICPCSN65854.2025.11035585	Scopus
11.	Karuppiyah Natarajan	Few Shot Learning Approach for Object Recognition Transformation	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	May-25	979-8-3315-1208-8	doi: 10.1109/ICICCS65191.2025.10985234	Scopus
12.	Karuppiyah Natarajan	Computer Vision for Human Activity Recognition in Crime Detection	2025 Third International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)	Jun-25	979-8-3315-0724-4	DOI: 10.1109/ICAISS61471.2025.11042229	Scopus
13.	Karuppiyah Natarajan	An Efficient Deep Learning based Approach for Pneumonia Detection	3rd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)	Mar-25	979-8-3315-2754-9	10.1109/IDCIOT64235.2025.10914801	Scopus
14.	Karuppiyah Natarajan	Industrial Thermoregulation Using IoT	2024 5th IEEE Global Conference for Advancement in Technology (GCAT)	Mar-25	979-8-3503-7668-5	DOI: 10.1109/GCAT62922.2024.10924026	Scopus
15.	Karupppiah Natarajan Murugaperumal Krishnamoorthy	Automated Drone-based Solar Panel Cleaning for Enhanced Efficiency and Sustainable Solar Power Generation	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	May-25	979-8-3315-0148-8	https://ieeexplore.ieee.org/document/10988167	Scopus
16.	Karuppiyah Natarajan	Detection of Fake Online Recruitment using Machine Learning Approach	2025 Third International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)	Jun-25	979-8-3315-0724-4	https://ieeexplore.ieee.org/abstract/document/11041922	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
17.	Md Asif	"Nanoparticles as Vaccine Heroes: Unveiling Their Impact" – A Review	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904001	Scopus
18.	Md. Asif	ANN-LSTM Controllers Based Novel Control of Multiple PVS-WPS-BESS Supplied Standalone System	2024 International Conference on Sustainable Power & Energy (ICSPE)	Mar-25	979-8-3503-6605-1	doi: 10.1109/ICSPE62629.2024.10924385.	Scopus
19.	Ravivarman Shanmugasundaram	Analysis and Simulation of Boost-Flyback Converter for Renewable Energy Integration	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454701017	Scopus
20.	Ravivarman Shanmugasundaram	Simulation of Hybrid Boost Converter with Reduced Switch Stress for PV Systems	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454702014	Scopus
21.	Ravivarman Shanmugasundaram	Modeling and Simulation of Vehicle to Grid (V2G) Integration	2nd International Conference on Renewable Energy, Green Computing and Sustainable Development (ICREGCSD 2025)	Feb-25	E3S Web Conf. Volume 616, 2025	https://doi.org/10.1051/e3sconf/202561601016	Scopus
22.	Ravivarman Shanmugasundaram	Innovative Business Models for Electric Mobility-as-a-Service in Smart Cities	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561901001	Scopus
23.	Ravivarman Shanmugasundaram	Utilization in Microgrids through Advanced Predictive Algorithms	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561902003	Scopus
24.	Ravivarman Shanmugasundaram	Collaborative Filtering Approach for Improved Recommender System by VADER and TextBlob	2025 IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT)	Apr-25	979-8-3315-3193-5	https://ieeexplore.ieee.org/document/10967988	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
25.	Murugaperumal Kriahna moorthy	Bridging the Energy Divide: The Innovative Landscape of Compressed Air Energy Storage (CAES)	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454703008	Scopus
26.	K. Muruga Perumal	Exploring the Impact of Hydrogen Interstitial on Structural, Energetic, and Electronic Characteristics within a Carbon Monovacancy	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561901006	Scopus
27.	K. Murugaperumal Natarajan Karuppiah H.S. Jain Burra Ganesh Banoth Shahitya Gujjala Akshay	Automated Robotic System for Efficient Solar Panel Dust Removal Using GPS-Based Navigation	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561901014	Scopus
28.	N Sirisha Revathi V Ali Albawi Navya Gupta Navdeep Singh Murugaperumal Krishna moorthy	AI-Driven Predictive Health Monitoring and Early Warning Systems for Enhanced Soldier Safety in IoT-Enabled Wearable Devices	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561903003	Scopus
29.	G. Anilkumar Jagmohan P. Karunakar V. Rakesh Shaik Rahimpasha Murugaperumal Krishna moorthy	Enhancing Road Safety at Traffic Signals Using IoT: A Smart Solution for Preventing Signal Violations and Reducing Accidents	2nd International Conference on Renewable Energy, Green Computing and Sustainable Development (ICREGCSD 2025)	Feb-25	E3S Web Conf. Volume 616, 2025	https://doi.org/10.1051/e3sconf/202561603004	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
30.	Vasavi D Vindhya DurgaSathvika I VijayChandu K K. Shalini Shanmugasundaram Hariharan Murugaperumal al Krishnamoorthy	Improved Brain Tumour Prognosis Using Deep Neural Networks	2024 4th International Conference on Mobile Networks and Wireless Communications (ICMNWC)	Feb-25	979-8-3315-2834-8	DOI: 10.1109/ICMNWC63764 .2024.10872003	Scopus
31.	Shainy Reddy Karnati Kavya Reddy Erukonda Vaishnavi Reddy Elgonda Shanmugasundaram Hariharan Vinay Kukreja Murugaperumal Krishnamoorthy	Thyroid Detection and Interpretation using XAI (eXplanable Artificial Intelligence)	2024 International Conference on System, Computation, Automation and Networking (ICSCAN)	Feb-25	979-8-3315-1002-2	DOI: 10.1109/ICSCAN62807. 2024.10894135	Scopus
32.	V. K. G. Kalaiselvi Vishnu Chandar K R Vishwa G Sharanya Tirunagari Shanmugasundaram Hariharan Murugaperumal Krishna moorthy	Empowering smart traffic avoidance using Natural language processing	2025 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)	Mar-25	979-8-3315-1591-1	DOI: 10.1109/IITCEE64140.20 25.10915519	Scopus
33.	Anne Sreyas Venkatesam Nandini Karnakoti Ramoji Sai Sri Shanmugasundaram Hariharan Murugaperumal al Krishnamoorthy Vinay Kukreja	A Comprehensive Hybrid Model for Movie Recommendation: Integrating CNN and Traditional Algorithms	2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)	Apr-25	979-8-3315-2983-3	https://ieeexplore.ieee.org/document/10940613	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
34.	Praveen Kumar Balachandran	Analyzing the Outdoor Performance of Different Types of PV Module Technologies	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454703004	Scopus
35.	Praveen Kumar Balachandran	Improving the Efficiency of Solar Panel by using PCM's and TEG's Influence	International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593309	Scopus
36.	Praveen Kumar Balachandran	SEPIC Derived High-Gain DC-DC Converter for Industry Application	4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET 2024)	Oct-24	979-8-3503-8399-7	doi: 10.1109/SEFET61574.2024.10717903.	Scopus
37.	Praveen kumar Balachandran	Advanced Supply-Demand Optimization in Renewable-Powered Microgrids	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561902002	Scopus
38.	Udit Trivedi Pratik Vediya Ishita Zalavadiya B. Praveen Kumar	Nanotechnology's Impact on Revolutionizing Healthcare and Drug Delivery in the 21st Century	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904004	Scopus
39.	Patil Mounica S. Vinod Reddy	Improving Power Quality with Non-Segregated Dynamic Voltage Restorer-Ultra capacitor Design	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454702006	Scopus
40.	Dr. P. Mounica	Optimized Power Control in Off-Grid DC Microgrids with Hybrid Energy Storage Solution	International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593069	Scopus
41.	Patil Mounica	Simulation of Battery Driven Electric Vehicle with Regenerative Braking	2024 7th International Conference on Circuit Power and Computing Technologies	Sep-24	979-8-3503-7281-6	DOI: 10.1109/ICCPCT61902.2024.10672975	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
42.	Patil Mounica Natarajan Karuppiah B. Praveen Kumar S Ravivarman	Sustainable Economic Load Dispatch Using Dungle Beetle Optimization: A New Frontier to Minimize Cost and Emissions	2024 3rd International Conference for Advancement in Technology	Dec-24	979-8-3503-5417-1	doi: 10.1109/ICONAT61936. 2024.10775076.	Scopus
43.	Patil Mounica Natarajan Karuppiah S Ravivarman Tellapati Anuradha Devi	Design of Solar Dust Cleaning with Robot and Solar Monitoring System	2024 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS)	Jan-25	979-8-3315-3242-0	DOI: 10.1109/ICACRS62842.2 024.10841553	Scopus
44.	Patil Mounica K Muruga Perumal	Environmental Monitoring using IoT using Ardunio UNO and Data Analysis	2024 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS)	Jan-25	979-8-3315-3242-0	DOI: 10.1109/ICACRS62842.2 024.10841572	Scopus
45.	Patil Mounica	VISION: Visual Insight Solution Interface Outreach Navigator	2024 International Conference on Computational Intelligence for Security, Communication and Sustainable Development (CISCSD)	Feb-25	979-8-3503-6540-5	10.1109/CISCSD63381. 2024.00050	Scopus
46.	Patil Mounica R. Muniraj Gaurav Sethi V.S. Anusuya Devi Shanmuga Priyan M. Mahesh	Management and Control of a Fuel Cell, Solar Photovoltaic, and Battery Energy Storage System Linked to a DC Nano Grid	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/ e3sconf/202561901012	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
47.	Pravin Tirgar Patil Mounica Lavish Kansal Sunil Prashanth Kumar A.S.S. Murugan N. Ragunath	Harnessing Nanomaterials for Advanced Electrical Components and Efficient Transformers	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904012	Scopus
48.	1. Tellapati Anuradha Devi 2. B. Nagi Reddy 3. Lavanya R 4. Rakesh Roshan 5. Saravanan S 6. Raju Ambaliya	Elevated Step-Up Gain DC-DC Converter Featuring Switched Capacitor and Regenerative Boost Configuration for Enhanced Solar PV Applications	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454702005	Scopus
49.	1. Kambhampati Venkata Govardhan Rao 2. Thalanki Venkata Sai Kalyani 3. Tellapati Anuradha Devi	Energy Conservation Opportunities and its Techniques in Net Zero Energy Buildings	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	https://doi.org/10.1051/e3sconf/202454703003	Scopus
50.	Anuradha Devi Tellapati Enjamuri Sagar Kammari Greeshma Reddygari Ananya	Enhancing Solar PV System with High-Gain DC/DC Converters	International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593057.	Scopus
51.	Tellapati Anuradha Devi	GSM based Vehicle Security Theft Control System	2024 3rd International Conference on Computational Modelling, Simulation and Optimization	Aug-24	979-8-3503-6139-1	DOI: 10.1109/ICCMO61761.2024.00043	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
52.	Anuradha Devi Tellapati	Direct Torque Controller of SRM for EV Application Based on Neural Network	14th EAI International Conference, BROADNETS 2024, Hyderabad, India, February 16–17, 2024, Proceedings, Part II	Feb-25	978-3-031-81171-5	https://doi.org/10.1007/978-3-031-81171-5_6	Scopus
53.	Tellapati Anuradha Devi	IOT-Enabled Fault Diagnosis and Monitoring for Small Wind Turbine	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561901005	Scopus
54.	Anuradha Devi Tellapati	Generative AI-Based Real-Time Face Aging Simulation for Biometric Systems	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561903004	Scopus
55.	Tellapati Anuradha Devi Patil Mounika Natarajan Karuppiah	Innovative Approaches to Wireless Power Transmission for Enhanced Mobile Charging Efficiency	5th International Conference on Communication, Computing & Industry 6.0 (C2I6)	Feb-25	979-8-3503-7988-4	10.1109/C2I663243.2024.10895871	Scopus
56.	Anuradha Devi Tellapati	Design of a Temperature Dependent Industrial Lighting	5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	May-25	979-8-3315-0148-8	10.1109/ICTMIM65579.2025.10988210	Scopus
57.	N. SRINIVAS	Power Quality Improvement in Transmission System using Optimal Location System with Integration of Distributed Power Flow Controller	1st International Conference on Trends in Engineering System and Technologies (ICTEST)	Jul-24	979-8-3503-0779-5	doi: 10.1109/ICTEST60614.2024.10576080	Scopus
58.	N Srinivas	Power Quality Improvement Using Custom Power Devices	4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET 2024)	Oct-24	979-8-3503-8399-7	doi: 10.1109/SEFET61574.2024.10717912	Scopus
59.	N. Srinivas	Synthesis of silver nanoparticles from neem and cow dung, their characterization, and their application as a nano pesticide and nano fertilizer	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904002	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
60.	N. Srinivas	Whale Optimization Based MPPT for Partial Shaded PV Powered Water Pumping System Driven by SRM	2024 International Conference on Sustainable Power & Energy (ICSPE)	Mar-25	979-8-3503-6605-1	doi: 10.1109/ICSPE62629.2024.10924331.	Scopus
61.	N Srinivas	Coordinated Energy Management of Smart Grid Powered by Hybrid Renewable Power Sources at Various Locations	2024 International Conference on Sustainable Power & Energy (ICSPE)	Mar-25	979-8-3503-6605-1	DOI: 10.1109/ICSPE62629.2024.10924364	Scopus
62.	A. Rama Krishna A. Vijay Kumar	The Study of Solar and Wind Power Systems under Different Weather Conditions	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	DOI: 10.1051/e3sconf/202454703009	Scopus
63.	A. Rama Krishna	A Novel PWM Inverter Powered by Single DC Source for a Multiple Pole Pair Induction Motor	Recent Advances in Power Electronics and Drives	Jan-25	978-981-97-6091-6	https://doi.org/10.1007/978-981-97-6091-6_8	Scopus
64.	A. Ramakrishna	A study on preparation of nano activated carbon and economical elimination of Congo red dyes from aqueous solutions	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904007	Scopus
65.	Rajagopal Reddy Karuppiah Natarajan Patil Mounica Anandakumar Annavara pu	Developing and Implementation of Contactless Stationary Charging System for Electric Vehicles	2024 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS)	Jan-25	979-8-3315-3242-0	doi: 10.1109/ICACRS62842.2024.10841561.	Scopus
66.	B. Raja Gopal Reddy N. Karuppiah Patil Mounica	Speed Control of BLDC Motor Using Bi-directional Converter	14th EAI International Conference, BROADNETS 2024, Hyderabad, India, February 16–17, 2024, Proceedings, Part II	Feb-25	978-3-031-81171-5	https://doi.org/10.1007/978-3-031-81171-5_5	Scopus
67.	B. Raja gopal Reddy	Comprehensive Review on Role of Nanoparticles in Gene Therapy	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561904009	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
68.	A. Anand Kumar	Forecasting of effluent from wastewater treatment industries using a novel Fuzzy logic system	International Conference on Sustainable Green Energy Technologies (ICSGET 2024)	Jul-24	E3S Web of Conf. Volume 547, 2024	DOI: 10.1051/e3sconf/202454702008	Scopus
69.	Annavarapu Ananda Kumar	An Improved Energy Management Strategy for Electric Vehicle Fast Charging Station	International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593338.	Scopus
70.	Annavarapu Ananda Kumar	Adaptive Control Neutral Point Scheme for Wind-Based Induction Machine	2024 International Conference on Computational Intelligence for Green and Sustainable Technologies	Oct-24	979-8-3503-8188-7	doi: 10.1109/ICCIGST60741.2024.10717554.	Scopus
71.	G. Indira Rani	Improving Voltage Stability in Fixed Speed wind Energy Conversion System using FACTS Controller (STATCOM)	International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593593	Scopus
72.	Kiran Dudhat Malay kumar Chotaliya G. Indira Rani	An Investigation of Current Trends and Future Possibilities for the Use of Nanoparticles in the Treatment of Skin Cancer	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561905006	Scopus
73.	K. HALEEMA MURUGAPERUMAL KRISHNAMOORTHY	A Comprehensive Analysis of Load Management Strategies and Hybrid Renewable Solutions for Sustainable Rural Electrification System	5th International Conference for Emerging Technology (INCET)	Jul-24	979-8-3503-6115-5	doi: 10.1109/INCET61516.2024.10593192.	Scopus
74.	Harshal B. Desai Vijay Togadiya Promila Dhanda K. Haleema Ashish R. Tanna	Photocatalytic activity of copper nanoferrite and activated carbon-copper nanoferrite composite	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561905009	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
75.	S. Hemachandra T. Naresh K. Praveena M. Silpa K. Haleema	Electrical Load Forecasting by using CANFIS Controller with Gaussian Function	2024 Asian Conference on Intelligent Technologies (ACOIT) Karnataka, India. Sep 6-7, 2024	Apr-25	979-8-3503-7495-7	10.1109/ACOIT62457.2024.10939980	Scopus
76.	J. Yaswanth Vinod Reddy S Ravivarman S Karuppiah Natarajan Tellapati Anuradha Devi	Design of a Low Cost Simplified PWM Inverter	2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	Jan-25	979-8-3315-1809-7	DOI: 10.1109/ICICNIS64247.2024.10823267	Scopus
77.	S. Vinod reddy V. M. Rani P. Mounica T. A. Devi S. Rahimpasha	Multi-Phase Multi Level DC-DC Converter for Renewable Energy Systems	2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	Jan-25	979-8-3315-1809-7	doi: 10.1109/ICICNIS64247.2024.10823230.	Scopus
78.	Vinod Reddy S Karuppiah Natarajan Tellapati Anuradha Devi	Enhanced Cooling Techniques for Photovoltaic Panels using Arduino-Controlled Water Circulation Systems	2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	Jan-25	979-8-3315-1809-7	doi: 10.1109/ICICNIS64247.2024.10823151.	Scopus
79.	Sama Vinod Reddy Karuppiah Natarajan Tellapati Anuradha Devi	Automated Railway Track Crack Detection and Emergency Halt System	5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	May-25	979-8-3315-0148-8	10.1109/ICTMIM65579.2025.10988039	Scopus
80.	Fatima Unnisa	Optimizing and Improving Unified Power Quality (UPQC) for Mitigation of Voltage Drop	2024 7th International Conference on Circuit er and Computing Technologies (ICCPCT)	Sep-24	979-8-3503-7281-6	DOI: 10.1109/ICCPCT61902.2024.10673022	Scopus

S. No	Authors	Title of the paper	Conference name	Month and Year	ISSN/ISBN	Doi	Indexing
81.	Fatima Unnisa	Intelligent Accessory for Self Defense	2024 First International Conference on Electronics, Communication and Signal Processing	Oct-24	979-8-3503-6459-0	doi: 10.1109/ICECSP61809.2024.10698206.	Scopus
82.	Fatima Unnisa	TravelX	2024 IEEE 5th India Council International Subsections Conference (INDISCON)	Nov-24	979-8-3503-7675-3	doi: 10.1109/INDISCON62179.2024.10744387.	Scopus
83.	Fatima Unnisa	Streamlining Personal Finances: An ExpenseTracker Website Study	2024 International Conference on Signal Processing and Advance Research in Computing	Jan-25	979-8-3503-8520-5	doi: 10.1109/SPARC61891.2024.10828675.	Scopus
84.	Mohan Bukya	Surfactants and Polymeric Micelles: Innovations in Transdermal and Topical Cosmeceutical Delivery	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	Mar-25	E3S Web Conf. Volume 619, 2025	https://doi.org/10.1051/e3sconf/202561903014	Scopus
85.	D. Revathi	Speed Control of Induction Motor Using Hippopotamus Optimizer Based Sliding Mode Controller with SVPWM Method for Electric Vehicle	2024 International Conference on Sustainable Power & Energy (ICSPE)	Mar-25	979-8-3503-6605-1	https://ieeexplore.ieee.org/document/10924390/	Scopus

Book Chapters Published for the AY: 2024-2025

S.No	Authors	Title of the chapter	Name of the book	Month and Year	ISBN	Doi	Indexing
1	1. Praveen Kumar Balachandran 2. Nnamdi Nvvulu 3. Thanikanti Sudhakar Babu	A perspective review of present and future trends of electric vehicle technology	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00001-9	Scopus

2	Ananda Kumar Annavarapu	Review of effects on the power grid from plugging in electric vehicles and renewable energy sources	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00002-0	Scopus
3	Ananda Kumar Annavarapu	Current issues and future challenges regarding electric vehicles' fast charging and its impact on grid power quality in the grid	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00003-2	Scopus
4	Anuradha Devi Tellapati	Microgrid with, vehicle-to-grid and grid -to-vehicle technology for DC fast charging topology	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00004-4	Scopus
5	Natarajan Karuppiah Patil Mounica Praveen Kumar Balachandran	Critical review on electric vehicles: charges, charging techniques, and standards	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00006-8	Scopus
6	Murugaperumal Krishnamoorthy	Renewable green hydrogen as a future power for electric vehicles: a perspective	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00007-X	Scopus
7	Patil Mounica Natarajan Karuppiah	Feasibility and possibility of biofuel-based electric vehicles in the electric vehicle market	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00008-1	Scopus
8	Murugaperumal Krishnamoorthy	Adoption of fuel cell technology in the global transportation landscape	Renewable Energy for Plug-In Electric Vehicles	Jul-24	978-0-443-28955-2	https://doi.org/10.1016/B978-0-443-28955-2.00017-2	Scopus

Books Published for the AY: 2024-2025

S.No	Authors/Editors	Name of the book	Volume	Issue	Month and Year	ISBN	Doi
1	Praveen Kumar B Sudhakar Babu T Dr. Bamidele Victor Ayodele Murat Fahrioglu	Attainment of SDGs through the Advancement in Solar PV systems	12	2024	Jul-24		https://doi.org/10.3389/fenrg.2024.1451373
2	T Sudhakar Babu Praveen Kumar B Nnamdi Nwulu	Renewable Energy for Plug-In Electric Vehicles Challenges, Approaches, and Solutions for Grid Integration			Aug-24	978-0-443-28955-2	https://doi.org/10.1016/C2023-0-50841-9
3	Shitharth Selvarajan Gouse Baig Mohammad Sadda Bharath Reddy Praveen Kumar B	Big Data and Blockchain Technology for Secure IoT Applications			Dec-24	9781032663005	https://doi.org/10.1201/9781032663005