Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
Dr. M. Padma Lalitha	Pragmatic simultaneous scheduling of machines, AGVs, tool transporter and tools in a multi machine FMS using flower pollination algorithm	European Journal of Industrial Engineering	18	5	728-771	1751-5262	Sept.	2024
Dr. O. Hemakesavulu	Prevention of Road Accidents by Using Li-Fi Technology	IEEE Xplore	…	…	1-6	979-8-3315-0571-4	Apr.	2025
	Pass-Transistor-Enabled Split Input Voltage Level Shifter for Ultra-Low-Power Applications	Micromachines	16	1	1-13	2072-666X	Jan.	2025
	An Enhanced Repetitive Control Framework for Adaptive Neuro-Fuzzy Learning Grid-Connected Inverter with Current Control and Frequency Adaptability	IEEE Xplore	…	…	240-244	979-8-3315-0571-4	Apr.	2025
Dr. P. B. Chennaiah	Facial Sentiment Analysis: Enhancing Emotion Recognition Through Advanced Convolutional Neural Network Architectures	IEEE Xplore	…	…	1-5	979-8-3503-7651-7	Oct.	2024
	Integrating Multi-Agent System Control in Hybrid Microgrid System for Energy Management System	SSRG International Journal of Electrical and Electronics Engineering	11	9	224-232	2348-8379	Sept.	2024
	Power Management and Control for PV integrated Microgrid with Battery Energy Storage System	IEEE Xplore	…	…	1-6	2996-5349	Oct	2024
	Multi Agent System Based Control for Energy Management of Hybrid Microgrid System	IEEE Xplore	…	…	…	979-8-3503-8706-3	Oct	2024
Dr. P. Gopi	Optimal distributed generator placement for loss reduction using fuzzy and adaptive grey wolf algorithm	International Journal of Applied Power Engineering	14	1	155-162	2252-8792	Mar.	2025
	An Economic Loss Reduction Using Static VAR Compensator and Capacitor Placement in Reconfigurable and Expandable	IEEE Xplore	…	…	5585-5596	1939-9367	Feb	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	Distribution Grids With a Variable Electric Power Demand							
	Hybrid fuzzy PID control with HAEFA optimization for simultaneous voltage and frequency stabilization in multi-area diverse source power systems	Cogent Engineering	…	…	1-24	2331-1916	Aug.	2024
	Fruit Fly Algorithm Optimised Degree of Freedom Controller for the Dynamical Stability of the Renewable Energy Penetrated Multi Area Power System	E3S Web of Conference	…	…	1-7	2267-1242	Sep.	2024
	Water Cycle Algorithm Tuned Cascade Controller for the Frequency Control of a Nonlinear Hydrothermal Power System with PEV Integration	E3S Web of Conference	…	…	1-6	2267-1242	Sep.	2024
Dr. P. Gopi	Facial Sentiment Analysis: Enhancing Emotion Recognition Through Advanced Convolutional Neural Network Architectures	IEEE Xplore	…	…	1-5	979-8-3503-7651-7	Oct.	2024
	Techno-economic optimization and sensitivity analysis of off-grid hybrid renewable energy systems: A case study for sustainable energy solutions in rural India	Results in Engineering	25	…	1-33	2590-1230	Mar.	2025
	Improving load frequency controller tuning with rat swarm optimization and porpoising feature detection for enhanced power system stability	Scientific Reports	…	…	…	2045-2322	Jul.	2025
	A multiport DC-DC converter with an intelligent controller for micro grid applications	Taylor & Francis	…	…	1-8	9781003606208	…	2025
	Integrated thermal and battery management for electric	Energy Exploration and Exploitation	…	…	1-59	0144-5987	…	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	vehicles: Experimental validation and simulation-based optimization of lithium-ion batteries							
Ganesh Challa	Single Phase Grid Connected Nine Level Quadruple Boost Inverter with Current Control and Active Damping Capability	IEEE Xplore	…	…	1-6	979-8-3503-5437-9	Dec.	2024
	FCS-MPC Based Grid-Tied Self-Balanced Switched Capacitor Reduced Switch Nine Level Inverter	IEEE Xplore	…	…	504-509	979-8-3315-0579-0	Feb.	2025
	IoT Driven Automation for Street Light Monitoring and Fault Detection	Industrial Engineering journal	17	11	17-22	0970-2555	Nov.	2024
	Slip angle control-based DTC of open-end winding induction motor drive using dual randomized decoupled PWM for acoustic noise mitigation in EV application	International Journal of Power Electronics and Drive Systems	15	3	1339-1347	2088-8694	Sep.	2024
Ganesh Challa	Acoustic Noise Mitigation in Slip Angle Controlled DTC of Open-End Winding Induction Motor Drive Using Dual Randomized AISPWM for EV Application	International Journal of Electrical and Electronics Research	12	Spl.	18-23	2347-470X	Sep.	2024
	Acoustical Noise Mitigation in Slip Angle Controlled DTC of Open-End Winding Induction Motor Drive Using AISPWM Based Triple Randomization Scheme for EV Application	ITEGAM- Journal of Engineering and Technology for Industrial Applications (ITEGAM-JETIA),	10	49	202-210	2447-0228	Oct.	2024
	Slip Angle Controlled DTC of Open-End Winding Induction Motor Drive using Triple Randomized Decoupled PWM	PRZEGLĄD ELEKTROTECHNICZNY	1	12	9-13	0033-2097	Dec.	2024

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	Based Acoustic Noise Mitigation for EV Application							
Dr. S. Sarada	Single Phase Grid Connected Nine Level Quadruple Boost Inverter with Current Control and Active Damping Capability	IEEE Xplore	…	…	1-6	979-8-3503-5437-9	Dec.	2024
	FCS-MPC Based Grid-Tied Self-Balanced Switched Capacitor Reduced Switch Nine Level Inverter	IEEE Xplore	…	…	504-509	979-8-3315-0579-0	Feb.	2025
N. Sreeramula Reddy	Design And Implementation Of A Fuzzy Logic Based AC Line Feeder For UAV Power Systems	IEEE Xplore	…	…	1-6	979-8-3503-9266-1	Jun	2025
	Real time monitoring and analysis of string faults in solar plants using IoT	E3S Web of Conferences	547	…	…	2267-1242	Jul.	2024
T. Penchalaiah	Advanced control strategy for grid-connected DFIG systems using TSK-fuzzy controllers	Taylor & Fransis	…	…	1-6	9781003559092	…	2024
M. Mahesh	Management and Control of a Fuel Cell, Solar Photovoltaic, and Battery Energy Storage System Linked to a DC Nano Grid	E3S Web of Conference	…	…	1-12	2267-1242	Mar.	2025
A. Hima Bindhu	Optimal and Efficient relay coordination approach for multi zone power systems	Industrial Engineering journal	18	2	…	0970-2555	Febraury	2025
B. Anil Kumar	Analyzing advanced solutions for electric vehicle charging infrastructure	Taylor & Francis Group	…	…	214-219	9781003559092	Nov.	2024
	Advanced Power Quality in Hybrid PV-Wind Systems with TSK Fuzzy Control	IEEE Xplore	…	…	1-5	979-8-3503-8269-3	Aug.	2024
	Implementation of Perturb & Observe, FLC and ANFIS MPPT Strategy with Buck and Boost	IEEE Xplore	…	…	1-5	979-8-3315-3669-5	Jun	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	Converters in Photovoltaic Systems							
Dr. J. Sreeranganayakulu	Comparative Analysis of SVM, Random Forest and Reinforcement Learning for Harmonic Mitigation in Smart Homes	IEEE Xplore	…	…	604-608	979-8-3315-0724-4	Jun.	2024
	Performance evaluation of PV configurations considering degradation rate and hot spots	Indonesian Journal of Electrical Engineering and Computer Science	32	3	1397-1403	2502-4760	Sep.	2024
Dr. K . Vijay Bhaskar	Modelling and analysis of five phase surface PMSM for application in electric vehicles	Industrial Engineering journal	17	8	…	0970-2555	Aug.	2024
	A Fractional Controller for Load Frequency Control Tuned by Metaheuristic Algorithm	IEEE Xplore	…	…	1-6	979-8-3503-9266-1	Jun.	2025
Dr. K. Dhananjaya Babu	Adaptive System for Human Scenario Forecasting in Intelligent Homes	IEEE Xplore	…	…	1076-1081	979-8-3315-4158-3	May	2025
	Mitigating Partial Shading Effects in Photovoltaic System using Intelligent Current Compensation Method	E3S Web of Conference	…	…	1-8	2267-1242	Jul.	2024
Dr. N. C. Alluraiah	An Overview of Remaining Useful Life Prediction ofBattery Using Deep Learning and EnsembleLearning Algorithms on Data-Dependent Models	International Transactions on Electrical Energy Systems	…	…	1-28	2050-7038	Jan	2025
	Classification and Comparative Evaluation of Text and Emoji-Based Tweets With Deep Neural Network Models	Journal of Electrical and Computer Engineering	…	…	1-15	2090-0155	Nov.	2024
	Techno-economic optimization and sensitivity analysis of off-grid hybrid renewable energy systems: A case	Results in Engineering	25	…	1-33	2590-1230	Mar.	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	study for sustainable energy solutions in rural India							
	Integrated thermal and battery management for electric vehicles: Experimental validation and simulation-based optimization of lithium-ion batteries	Energy Exploration and Exploitation	…	…	1-59	0144-5987	…	2025
	Improving load frequency controller tuning with rat swarm optimization and porpoising feature detection for enhanced power system stability	Scientific Reports	…	…	…	2045-2322	Jul.	2025
Dr. N. C. Alluraiah	Optimal reconfiguration, renewable DGs, and energy storage units' integration in distribution systems considering power generation uncertainty using hybrid GWO-SCA algorithms	International Journal of Modelling and Simulation	…	…	…	0228-6203	Jun	2024
	Comparison of SoC in Ni-MH and Lithium-Ion Battery for E-Vehicle	International Journal of Electrical and Electronics Engineering	12	4	1258-1263	2347-470X	Nov.	2024
Dr. P. Bhaskara Pradad	Maximum power point tracking technique for hybrid systems using the trapizoidal rule	Industrial Engineering journal	17	12	…	0970-2555	Dec.	2024
Dr. P. Suresh Babu	Optimal distributed generator placement for loss reduction using fuzzy and adaptive grey wolf algorithm	International Journal of Applied Power Engineering	14	1	155-162	2252-8792	Mar.	2025
	PERFORMANCE ASSESSMENT OF A MULTI-VERSE OPTIMIZER BASED SOLAR-PV INVERTER FOR GRID CONNECTED APPLICATIONS	Journal of Engineering and Technology for Industrial Applications	11	51	151-156	2447-0228	Feb.	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	Facial Sentiment Analysis: Enhancing Emotion Recognition Through Advanced Convolutional Neural Network Architectures	IEEE Xplore	…	…	1-5	979-8-3503-7651-7	Oct.	2024
Dr. S. Muqthiar Ali	Optimizing energy management strategy for fuel cell hybrid electric vehicles: A hybrid FBPINN-MGO Approach vehicles	Renewable Energy	253		…	1879-0682	May	2025
Dr. S. Suresh	7 - Renewable green hydrogen as a future power for electric vehicles: a perspective	Elsevier	…	…	95-110	9780443289552	…	2024
	IOT Based Automated Indoor Hydroponic Farming System	E3S Web of Conference	…	…	1-8	2267-1242	July	2024
Dr. S. Venkateswarlu Reddy	Prevention of Road Accidents by Using Li-Fi Technology	IEEE Xplore	…	…	1-6	979-8-3315-0571-4	Apr.	2025
	Design of Transcutaneous Electrical Nerve Stimulator Machine for Chronic Low Back Pain	IEEE Xplore	…	…	7-12	2473-7690	Nov.	2024
	An Economic IoT-driven Rural Greenhouse Control System for Optimal Plant Growth	IEEE Xplore	…	…	1-6	979-8-3503-5417-1	Dec.	2024
	Battery Monitoring and Control System for EV using IOT Technology	IEEE Xplore	…	…	198-209	979-8-3315-0571-4	Apr.	2025
	An Enhanced Repetitive Control Framework for Adaptive Neuro-Fuzzy Learning Grid-Connected Inverter with Current Control and Frequency Adaptability	IEEE Xplore	…	…	240-244	979-8-3315-0571-4	Apr.	2025
Dr. K. Harinath Reddy	An Efficient Shortest Path Optimized Algorithm For Vehicle Adhoc Networks System	IEEE Xplore	…	…	1423-1427	979-8-3503-7281-6	Sep.	2024
	Hybrid boost-cuk converter with bat-chicken swarm-optimized PI controller for photovoltaic grid systems	The Future Technology (FUTECH) Journal	4	2	11-21	2838-0379	May	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
G. Mahaboobsubahan	Internet of Things Based Identification of Fault in Back Channel Cable	IEEE Xplore	…	…	1-5	979-8-3315-4362-4	Mar.	2025
L. Baya Reddy	INTEGRATION OF MACHINE LEARNING IN BATTERY MANAGEMENT SYSTEMS FOR LITHIUM-ION CELLS	Industrial Engineering Journal	17	10	13-18	0970-2555	Oct	2024
	Design and Evaluation of Bidirectional Dual-Input DC-DC Converter for Integration with Electric Vehicles	IEEE Xplore	…	…	1-5	979-8-3503-8866-4	Mar.	2025
M. Swathi	Optimized Power Quality Enhancement in PV-Integrated UPQC Systems Using Chaotic PSO-Based MPPT Algorithm	IEEE Xplore	…	…	…	979-8-3503-8723-0	Feb.	2025
M. Swetha	Impact of Forecast Time-Step on PV Production Accuracy Using Machine Learning for Micro-Grid Efficiency	Metallurgical and Materials Engineering	31	1	511-520	2217-8961	…	2025
M. Ramesh	Efficient power system operation through fuzzy and PSO algorithm for power loss reductions and voltage profile	E3S Web of Conferences	547	…	…	2267-1242	Jul.	2024
R. Madhan Mohan	Prevention of Road Accidents by Using Li-Fi Technology	IEEE Xplore	…	…	1-6	979-8-3315-0571-4	Apr.	2025
	Optimization of Cluster Head Selection Using Bacterial Foraging Algorithm for Energy-Efficient Routing in Wireless Body Area Networks	IEEE Xplore	…	…	1-8	2768-0576	Mar.	2025
Syed Rubeena Bi	A Novel Open-Circuit Fault-Tolerant MMC with Multi-carrier P WM Techniques for Solar PV Applications	International Journal of Electrical and Electronics Engineering	12	3	762-768	2347-470X	Jul	2024
	Increased Technical Efficiency of Various Renewable Energy	IEEE Xplore	…	…	1039-1043	979-8-3315-1857-8	Apr.	2025

Name of the Author(s)	Title of the paper	Name of the Journal	Volume	Issue	Page Numbers	ISSN / ISBN	Month of publication	Year of publication
	Resources in Smart Grids and Power System							
M. Sai Sandeep	Enhancing Power Quality in Integrated PV Systems and DFIG Systems through MPPT and Fuzzy Logic Controller for Grid Systems	E3S Web of Conferences	547	…	…	2267-1242	Jul.	2024