ACADEMIC YEAR 2024-2025

Publications details-Journals

S.No	Author Name	Title of the Paper	Name of the Journal	Volume No, Issue No, Month & Year	Indexing	Online Link of the paper
1.	Parimala R.V	Intelligent Management of Electric Vehicle Charging and Optimizing the Operation of the Electric Power System	International Journal of Vehicle Structures and Systems	Vol-16, Issue 2, July 2024	Scopus	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198042634&doi=10.4273%2fijvss.16.2.08&partnerID=40&md5=0fef12c548249dfd6d72737ae9a35b2b
2.	Dinesh C	Machine Learning Meets Meta-Heuristics: Bald Eagle Search Optimization and Red Deer Optimization for Feature Selection in Type II Diabetes Diagnosis	Bioengineering	Vol 11, Issue 8, July 2024	SCI	https://www.mdpi.com/2306-5354/11/8/766
3.	Karthick A	Energy forecasting of the building integrated photovoltaic system based on deep learning dragonfly-firefly algorithm	Energy	Vol 308, Article 132926, August 2024	SCI	https://www.sciencedirect.com/science/article/abs/pii/S0360544224027002
4.	Karthick A	Environmental water quality prediction based on COOT-CSO-LSTM deep learning	Environmental Science and Pollution Research	Vol 31, pp 54525–54533, August 2024	Scopus	https://link.springer.com/article/10.1007/s11356-024-34750-4
5.	Revathi R	Analysis and control of grid-interactive PV-fed BLDC water pumping system with optimized MPPT for DC-DC converter	Scientific Reports	Vol 14, Issue 1, October 2024	SCI	https://www.nature.com/articles/s41598-024-77822-8

6.	Prakash N	Sustainable production of graphene using biomass waste as a precursor: Environmental and economic implications	Biocatalysis and Agricultural Biotechnology	Vol 62, Article 103434, December 2024	SCI	https://www.sciencedirect.com/science/article/pii/S1878818124004183
7.	Lalitha B, Karthick Alagar	Performance analysis of photovoltaic module using eutectic phase change material	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Vol 46, Issue 1, October 2024	SCI	https://www.tandfonline.com/doi/abs/10.1080/15567036.2024.2417773
8.	Mohana Sundaram K	PIR sensor-based automatic solar-powered UVC LED sterilizer lamp	International Journal on Smart Sensing and Intelligent Systems	Vol 17, Issue 1, December 2024	SCI	https://sciendo.com/article/10.2478/ijssis-2024-0037
9.	Mohana Sundaram K	A non-isolated PFC bridgeless SEPIC-Cuk converter with adaptive PI controller for induction motor	International Journal of Applied Power Engineering	Vol 13, Issue 2, December 2024	Scopus	https://ijape.iaescore.com/index.php/IJAPE/article/view/20815
10.	Pandiyan P	Monitoring COVID-19 environment: a real-time facial mask detection using YOLO models	Research on Biomedical Engineering	Vol 41, Issue 1, January 2025	Scopus	https://link.springer.com/article/10.1007/s42600-024-00397-w
11.	Mohana Sundaram K	Enhancing Energy Efficiency in HVAC Systems through Intelligent Control Strategies	Communications on Applied Nonlinear Analysis	Vol 28, No. 1, January 2025	Scopus	https://internationalpubls.com/index.php/anvi/article/view/2187
12.	Mohana Sundaram K	Artificial Rabbits Optimization Algorithm for PV Cell Parameter Extraction	Communications on Applied Nonlinear Analysis	Vol 28, No. 1, January 2025	Scopus	https://internationalpubls.com/index.php/anvi/article/view/2187
13.	Chandrika V S	Hybrid machine learning framework for predictive maintenance and anomaly detection in lithium-ion batteries using enhanced random forest	Scientific Reports	Vol 15, Issue 1, February 2025	SCI	https://www.nature.com/articles/s41598-025-90810-w
14.	Ravikumar P	Instruction tuned large language models for assisting brain surgery through procedural alignment and decision support using PPO reinforcement learning	Journal of Neonatal Surgery	Vol 14, Issue 5, April 2025	Scopus	https://www.jneonatalsurg.com/index.php/jns/article/view/2918
15.	Dinesh C	Generalizability of machine	Scientific Reports	Vol 15, Issue	SCI	https://doi.org/10.1038/s41598

		learning mod for diabetes detection: a study with Nordic islet transplant and PIMA datasets		, Article 4479, January 2025		-025-87471-0
16.	Pandiyan P	Identification of Monkeypox Disease Based on MpoxNet and Swin Transformer Models Using Mobile Application	International Journal of Interactive Multimedia and Artificial Intelligence	November 2024	SCI	https://www.ijimai.org/index.php/ijimai/article/view/868
17.	Mohamed Ibrahim A, Lalitha B	Operational Planning of Hybrid Power Management for Load Based on Versatile Energy Spectral Algorithm	International Research Journal of Multidisciplinary Scope (IRJMS)	Vol 6, Issue 1, pp 226-237, March 2025	Scopus	https://www.irjms.com/journal/operational-planning-of-hybrid-power-management-for-load-based-on-versatile-energy-spectral-algorithm/
18.	Saravanan G, Pazhanimuthu C	Performance improvement of DC motor control system using PID controller with Kookaburra and Red Panda optimization algorithm	Scientific Reports	Vol 15, Issue 20021, pp 1-23, June 2025	SCI	https://www.nature.com/articles/s41598-025-87607-2
19.	Revathi R	Multi-objective optimization framework for enhancing efficiency and sustainability in smart grids	Energy Conversion and Management	Vol 341, Article 120079, October 2025	SCI	https://doi.org/10.1016/j.enconman.2025.120079

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