

EEE Department Publication data (2023-2024)

Sno	Name of the Faculty	Type of the article	Article Title	Indexed in	Type of Publication	Name of the Publication
1	Phaneendra Babu Bobba	Journal	Performance analysis of single transmitter and loads with different powering capabilities	Scopus + WOS	ESCI Indexed Journal	Cogent Engineering
2	Phaneendra Babu Bobba	journal	Non-Linear Modelling and Control of Permanent Magnet Synchronous Machine for Actuator Applications	Scopus + WOS	ESCI Indexed Journal	IJIE
3	Dr D S N M RAO	Conference Proceedings	Efficient Automated Detection System for Pneumonia-Affected X-Ray Images using Neural Networks	Scopus	Scopus indexed Proceedings	IEEE Xplore
4	Dr D S N M RAO	Conference Proceedings	Dehazing of Satellite Images using Improved Dark Channel Prior Method based on Retinex Theory	Scopus	Scopus indexed Proceedings	IEEE Xplore
5	Dr D S N M RAO	Conference Proceedings	Modelling of a Novel Eight Switch 15-Level Asymmetric Inverter for PV Sources	Scopus	Scopus indexed Proceedings	IEEE Xplore
6	Dr D S N M RAO	Conference Proceedings	Impact of Integrated Learning approach to Students' Success: A case study for the I Year PEEE course in a Bachelor of Technology Programme	Scopus	Scopus indexed Proceedings	IEEE Xplore
7	Dr D S N M RAO	Conference Proceedings	Solar Powered IoT Based Smart Agricultural Lawnmower Using Bluetooth/Android App	Scopus	Scopus indexed Proceedings	IEEE Xplore
8	Dr D S N M RAO	Conference Proceedings	Solar Tracking for Automation of Irrigation System	Scopus	Scopus indexed Proceedings	IOP Publishing
9	Dr D S N M RAO	Conference Proceedings	Assessment of Wear Behavior on treated AISI 310 by Liquid Nitriding Process	Scopus	Scopus indexed Proceedings	AIP Publishing

10	Dr D S N M RAO	Conference Proceedings	Quality Evaluation and Assessment of Machine Translations for English to Turkish (Google Translations Vs DeepL Translations)	Scopus	Scopus indexed Proceedings	IEEE Xplore
11	Dr P.Srividya Devi	Conference Proceedings	IoT-Enabled Predictive Maintenance for Sustainable Transportation Fleets	Scopus	Scopus indexed Proceedings	E3S
12	Dr Rekha Mundudi	Conference Proceedings	Fuzzy Logic-Based Energy Storage Management for Grid Resilience	Scopus + WOS	Scopus Indexed Journal	E3S Web of conference
13	Dr. Vinay Kumar Awaar	Conference Proceedings	Development of Pulse Charger for Electric Vehicle Batteries	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
14	Dr. Vinay KumarAwaar	Conference Proceedings	Modeling and Development of Wireless Power Transmission System for Electric Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
15	Dr. Vinay Kumar Awaar	Conference Proceedings	Modelling and Development of Static Wireless Charging System for Electric Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
16	Dr. Vinay Kumar Awaar	Conference Proceedings	Application of Dynamic Voltage Restorer through HHO Algorithm for Safe and Sustainable Operation of Electrical Distribution System	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
17	Dr. Vinay Kumar Awaar	Conference Proceedings	Digital Control of DSTATCOM using TI-C2000 Processor and MATLAB/ Simulink for Sustainable Power System Network	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
18	Dr. Vinay Kumar Awaar	Conference Proceedings	Power Quality Improvement and Sustainable operation in A Standalone Micro Grid by Regulating Frequency in A Deregulated Market	Scopus	Scopus indexed Proceedings	E3S Web of Conferences

19	Dr. Vinay Kumar Awaar	Conference Proceedings	EoG based Biopotential Instrumentation Amplifier	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
20	Dr. Vinay Kumar Awaar	Conference Proceedings	Modelling and Development of Static Wireless Charging System for Electric Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
21	Dr. Vinay Kumar Awaar	Conference Proceedings	Green and Sustainable Manufacturing with Implications of ESG In Energy Sector: A Comprehensive Review	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
22	Dr. Vinay Kumar Awaar	Conference Proceedings	Revolutionising Heat Treatment: Novel Strategies for Augmented Performance and Sustainability	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
23	Dr. Vinay Kumar Awaar	Conference Proceedings	Beyond Binary: The Capabilities of Classical and Quantum Computing for Securing Data Transmission	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
24	Dr. Vinay Kumar Awaar	Conference Proceedings	Exploring the Uncharted Territory: Future Generation Materials for Sustainable Energy Storage	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
25	Dr. Vinay Kumar Awaar	Conference Proceedings	EV BMS With Temperature and Fire Protection	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
26	Dr J Sridevi	Conference Proceedings	Multi-Agent Reinforcement Learning for Power System Operation and Control	Scopus	Scopus indexed Proceedings	AMGSE-2024
27	M N Sandhya Rani	Conference Proceedings	Modeling and Development of Wireless Power Transmission System for Electric Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
28	M N Sandhya Rani	Conference Proceedings	Modelling and Development of Static Wireless Charging System for Electric Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences

29	Dr Pakkiraiah B	Conference Proceedings	Comparative Study of Power Quality Event Characterization using Scalable Vector Graphics & Matlab	Scopus + WOS	Scopus indexed Proceedings	e3s conferences
30	Dr Pakkiraiah B	Conference Proceedings	IoT Based Electrical Devices Surveillance Control	Scopus + WOS	Scopus indexed Proceedings	e3s conferences
31	Dr Pakkiraiah B	Conference Proceedings	Polymer Matrix Nanocomposites for Sustainable Packaging: A Green Approach	Scopus + WOS	Scopus indexed Proceedings	e3s conferences
32	V. Vijaya Rama Raju	Conference Proceedings	Investigating the abnormalities of deep learning with customized architecture using deep learning 4J	Scopus	Scopus indexed Proceedings	MATEC Web of Conferences
33	V. Vijaya Rama Raju	Conference Proceedings	Particle Swarm Optimization for Sizing of Solar-Wind Hybrid Microgrids	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
34	V. Vijaya Rama Raju	Conference Proceedings	Fuzzy Logic-Based Energy Management in Smart Grids for Renewable Integration	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
35	G Sandhyarani	Conference Proceedings	Machine Learning for Anomaly Detection in Electric Transportation Networks	Scopus	Scopus indexed Proceedings	E3S
36	MN Sandhyarani	Conference Proceedings	Machine Learning Approaches for Fault Detection in Renewable Microgrids	Scopus	Scopus indexed Proceedings	E3S Conference
37	Dr Phaneendra Babu Bobba	Conference Proceedings	Optimal Energy Storage System Selection: A Decision Support Framework	Scopus + WOS	Scopus indexed Proceedings	E3S Proceedings
38	Phaneendra Babu Bobba	Journal	IIR filter-based compensator with modified feedback repetitive control scheme of voltage source inverter for nonlinear load applications	Scopus + WOS	SCIE Indexed Journal	Electrical Engineering , Springer Nature

39	Phaneendra Babu Bobba	Journal	Intelligent optimization for multiprocessor systems: hybrid algorithmic strategies for scheduling and load balancing	Scopus + WOS	ESCI Indexed Journal	Cogent Engineering
40	Phaneendra Babu Bobba	Journal	Artificial neural network-based clustering in Wireless sensor Networks to balance energy consumption	Scopus + WOS	ESCI Indexed Journal	Cogent Engineering
41	Phaneendra Babu Bobba	Conference Proceedings	Investigation of WBG based Power Converters used in E-Transportation	Scopus + WOS	Scopus indexed Proceedings	E3S Proceedings
42	Phaneendra Babi Bobba	Conference Proceedings	Performance analysis of solid-state batteries in Electric vehicle applications	Scopus + WOS	Scopus indexed Proceedings	E3s proceeding
43	Phaneendra Babu Bobba	Conference Proceedings	Simultaneous Wireless Power and Data Transfer in Different Applications	Scopus + WOS	Scopus indexed Proceedings	E3S Proceedings
44	Dr P Srividya Devi	Conference Proceedings	Innovative and Sustainable Transformation of Industrial Sector as a Green Manufacturing Approach	Scopus	Scopus indexed Proceedings	16th International Conference on Materials Processing and Characterization (ICMPC 2024)
45	Dr P. Srividya Devi	Conference Proceedings	Hardware implementation of WPT Charging System for EV Vehicles	Scopus	Scopus indexed Proceedings	16th International Conference on Materials Processing and Characterization (ICMPC 2024)
46	Dr P.Srividya Devi	Conference Proceedings	Characterization of Iron - Based Partial Pre - Alloyed Powders as Matrix Materials for Diamond Tools	Scopus	Scopus indexed Proceedings	16th International Conference on Materials Processing and Characterization (ICMPC 2024)
47	Dr P Srividya Devi	Conference Proceedings	Solar and Wind Power Electric Vehicle	Scopus	Scopus indexed Proceedings	16th International Conference on Materials Processing and Characterization (ICMPC 2024)

48	Dr P. Srividya Devi	Conference Proceedings	Image encryption using enhanced DCT transform for frequency domain applications	WOS	Scopus indexed Proceedings	International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2024)
49	Karunakumar Davala	Conference Proceedings	Bio Materials, Biocompatibility & its Advancements in Medical	WOS	Scopus indexed Proceedings	E3S Web of Conferences
50	Karunakumar Davala	Conference Proceedings	E-Commerce Door Delivery Robot	Scopus + WOS	Scopus indexed Proceedings	E3S Web of Conferences
51	Dr D S N M RAO	Conference Proceedings	Quality Evaluation and Assessment of Machine Translations for English to Turkish (Google Translations Vs DeepL Translations)	Scopus	Scopus indexed Proceedings	IEEE Xplore
52	Dr D S N M RAO	Conference Proceedings	Hybrid Energy Microgrids: A Comparative Study of Optimization Techniques	Scopus	Scopus indexed Proceedings	EDP Sciences
53	Dr D S N M RAO	Conference Proceedings	Performance Comparison of Random Forest Regressor and Support Vector Regression for Solar Energy Prediction	Scopus	Scopus indexed Proceedings	EDP Sciences
54	Dr D S N M RAO	Conference Proceedings	Advancements in Generative AI: Exploring Fundamentals and Evolution	Scopus	Scopus indexed Proceedings	IEEE Xplore
55	Dr Jami Sridevi	Conference Proceedings	Hysteresis Stress, Strain and Penetration Analysis of Spur Gear Assembly for Various Sustainable Design	Scopus	Scopus indexed Proceedings	E3S Web of Conferences 552, ICMPC 2024
56	Dr Jami Sridevi	Conference Proceedings	High current density DC-DC converter with Modified PI controller for fast charging applications in EVs	Scopus	Scopus indexed Proceedings	E3S Web of Conferences 552, ICMPC 2024