

EEE Department Publication data (from Jan 2024 to till date)

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 Mudundi	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 Kumar Awaar	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
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
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, ICMPCC 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, ICMPCC 2024
57	Dr PAKKIRIAH B	Journal	DDSRF Theory based Solar assisted RELIFT Luo Converter with UPQC used in Voltage Enhancement	Scopus	Scopus Indexed Journal	WSEAS Transactions on Power Systems
58	Dr Phaneendra Babu Bobba	Conference Proceedings	Single Stage Isolated Power Conditioning Unit for Plugin Electric Vehicles on-Board Charger	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy and Future Electric
59	Dr Phaneendra Babu Bobba	Conference Proceedings	IoT-based Battery Health Management System for Electric Vehicles: A Predictive Approach	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy and Future Electric
60	Dr Phaneendra Babu Bobba	Conference Proceedings	Determining Probable Locations of Photovoltaic Modules Malfunctions	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy
61	Dr Phaneendra Babu Bobba	Conference Proceedings	Switched Reluctance Motor-based EV Drive with Bidirectional Grid Interaction	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy
62	Dr Phaneendra Babu Bobba	Conference Proceedings	Comparative Analysis of Material Choices for Enhanced Efficiency in Wireless Power Transfer	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy and Future Electric
63	Dr Phaneendra Babu Bobba	Conference Proceedings	Comprehensive Analysis of Various Coil Geometries in Single Transmitter and Multi-Receiver Wireless Power Transmission	Scopus + WOS	Scopus indexed Proceedings	2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET)
64	Dr Phaneendra Babu Bobba	Conference Proceedings	Increasing Solar cell Efficiency using Quantum Dot Sensitization	Scopus + WOS	Scopus indexed Proceedings	Empowering Tomorrow 2024 - E3S Conference Proceedings
65	Dr Phaneendra Babu Bobba	Conference Proceedings	Energy Storage Optimization in Renewable Energy Systems using Particle Swarm Optimization	Scopus + WOS	Scopus indexed Proceedings	E3S Conference Proceedings
66	Dr Phaneendra Babu Bobba	Conference Proceedings	Optimal Energy Storage System Selection: A Decision Support Framework	Scopus + WOS	Scopus indexed Proceedings	E3S Conference Proceedings
67	Dr Phaneendra Babu Bobba	Conference Proceedings	Polymer Ceramic Based dielectric composites for energy storage conversion	Scopus + WOS	Scopus indexed Proceedings	E3S Conference Proceedings

68	Dr Phaneendra Babu Bobba	Conference Proceedings	Use of Nanofluid Cooling Techniques Involving Aluminium Metal Oxide (Al ₂ O ₃) to Enhance Photovoltaic Panel Efficiency	Scopus + WOS	Scopus indexed Proceedings	E3S Web of Conferences
69	Dr Phaneendra Babu Bobba	Conference Proceedings	Design the Tuned Filter using Solar PV Connected with Grid System for Harmonics Elimination	Scopus + WOS	Scopus indexed Proceedings	E3S Web of Conferences
70	Dr Phaneendra Babu Bobba	Conference Proceedings	Evaluation Of the Functionality of Germanium Arsenide Solar Cells at Multiple Sites Following Distinction In Irradiation	Scopus + WOS	Scopus indexed Proceedings	E3S Web of Conferences
71	Dr Phaneendra Babu Bobba	Conference Proceedings	The Contribution of Active Cooling on Perovskite Photovoltaic Cell Performance and Its Impact on The Power Production	Scopus + WOS	Scopus indexed Proceedings	E3S Web of Conferences
72	Dr D S N M RAO	Journal	Comprehensive analysis of faults and diagnosis techniques in cascaded multi-level inverters	Scopus + WOS	SCIE Indexed Journal	Elsevier
73	Dr D S N M RAO	Journal	Optimized energy management for interconnected networked microgrids: A hybrid NEGCN-PFOA approach with demand response and marginal pricing	Scopus + WOS	SCIE Indexed Journal	Elsevier
74	Dr D S N M RAO	Conference Proceedings	Advancements in Generative AI: Exploring Fundamentals and Evolution	Scopus	Scopus indexed Proceedings	IEEE Xplore
75	Dr P. Srividya Devi	Conference Proceedings	EXPERIMENTAL AND NUMERICAL VALIDATION OF THE ENERGY-SAVING PERFORMANCE OF A PASSIVE PCM FLOOR FOR A REAL-SCALE BUILDING	Scopus	Scopus indexed Proceedings	Scopus
76	Dr D S N M RAO	Conference Proceedings	Development of Facial Detection System for Security Purpose Using Machine Learning	Scopus	Scopus indexed Proceedings	E3S
77	Dr P Srividya Devi	Conference Proceedings	Energy Storage System Modelling For Hybrid Electric Vehicle	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
78	Dr D S N M RAO	Conference Proceedings	Efficiency Analysis Of Modified Sepic Converter For Renewable Energy Applications	Scopus	Scopus indexed Proceedings	E3S
79	Dr D S N M RAO	Conference Proceedings	Power Electronic Converters Evolution In Transmission System: HVDC & FACTS Device	Scopus	Scopus indexed Proceedings	E3S

80	DR D S N M RAO	Conference Proceedings	Comparatively Study of Non-Destructive test with different methods in various curing days	Scopus	Scopus indexed Proceedings	E3S
81	Dr D S N M RAO	Conference Proceedings	Investigation of mechanical properties and thermal properties on sugarcane fiber composite material reinforced with polyethylene terephthalate matrix material for sustainable applications	Scopus	Scopus indexed Proceedings	E3S
82	Dr D S N M RAO	Conference Proceedings	Enhancing Network Security with Multifused Cryptography: Integrating IoT and AI	Scopus	Scopus indexed Proceedings	IEEE
83	DR D S N M RAO	Conference Proceedings	ANFIS with PI Control of Interleaved DC-DC Converter for EV Charging Systems	Scopus	Scopus indexed Proceedings	IEEE
84	Dr D S N M RAO	Conference Proceedings	IMC based Tuning of PID Controller for Closed Loop Control of BLDC Motor	Scopus	Scopus indexed Proceedings	IEEE
85	Dr D S N M RAO	Conference Proceedings	Optimized Thermal Control of EV Battery Systems with Fuzzy Logic and PSO on Arduino Uno	Scopus	Scopus indexed Proceedings	IEEE
86	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
87	Dr D S N M RAO	Conference Proceedings	Future facts of Amazon deforestation based on static data over 2015–2023	Scopus	Scopus indexed Proceedings	Springer
88	Dr P Srividya Devi	Conference Proceedings	Visualization studies of the various wireless power transfer topologies	Scopus	Scopus indexed Proceedings	2024 IEEE-SeFeT – 4th International Conference on Sustainable Energy
89	Dr M Rekha	Conference Proceedings	Solar and Wind Power Electric Vehicle	Scopus	Scopus indexed Proceedings	E3S Web of Conferences
90	Dr M Rekha	Journal	TS fuzzy control of PV assisted single phase three phase induction motor drive for rural pumping applications	Scopus	Scopus Indexed Journal	Transactions of Energy Systems and Engineering Applications
91	Dr M Rekha	Conference Proceedings	Characterization of Iron – Based Partial Pre - Alloyed Powders as Matrix Materials for Diamond Tools	Scopus	Scopus indexed Proceedings	E3S Web of Conferences ICMPC2024
92	Dr M Rekha	Conference Proceedings	Hardware implementation of WPT Charging System for EV Vehicles	Scopus	Scopus indexed Proceedings	E3S Web of Conferences ICMPC2024
93	Dr M Rekha	Conference Proceedings	SustainableIoT:Designi ngGreenandEnergy- EfficientSmartDevices	Scopus	Scopus indexed Proceedings	E3s Web of Conferences ICPGRES-2024

94	Dr M Rekha	Conference Proceedings	IMPACT OF ENVIRONMENTAL ENERGY FACILITY PLANNING AND DESIGN ON ENERGY MANAGEMENT IN URBAN DEVELOPMENT	Scopus	Scopus indexed Proceedings	E3S Web of Conferences ICPGRES-2024
95	Dr M Rekha	Conference Proceedings	MODEL BASED FAULT DETECTION ANALYSIS OF TRANSMISSION LINE SWITCHING AND HARMONICS FOR RESISTIVE LOAD	Scopus	Scopus indexed Proceedings	E3S Web of Conferences ICPGRES-2024
96	Dr M Rekha	Conference Proceedings	Modernizing Electrical Grid swith TCR- Based Flexible ACTransmission Systems	Scopus	Scopus indexed Proceedings	E3S Web of Conferences ICPGRES-2024
97	Dr M Rekha	Conference Proceedings	Applying machine learning to soil analysis for accurate farming	Scopus	Scopus indexed Proceedings	MATEC Web of Conferences ICMED 2024
98	Dr M Rekha	Conference Proceedings	Visualization studies of the various wireless power transfer topologies	Scopus	Scopus indexed Proceedings	2024 IEEE-SeFeT – 4th International Conference on Sustainable Energy
99	Dr P Srividya Devi	Conference Proceedings	MATLAB interfaced edge computing device for ECG analyzing using real time datasets	Scopus	Scopus indexed Proceedings	AIP Publication
100	Dr P Srividya Devi	Conference Proceedings	Design Methodologies for Environmentally Friendly Remanufacturing: An Affordability-Based Approach	Scopus	Scopus indexed Proceedings	AIP Publishing
101	Dr P Srividya Devi	Conference Proceedings	Laser machining and sintering for rapid prototyping	Scopus	Scopus indexed Proceedings	AIP Proceedings
102	Dr P Srividya Devi	Conference Proceedings	Fuzzy analytical approach for dust particle size comparison: A multi-criteria decision-making analysis	Scopus	Scopus indexed Proceedings	AIP Publication
103	Dr P Srividya Devi	Conference Proceedings	Computational tribology: Advancements in vibration analysis and control	Scopus	Scopus indexed Proceedings	AIP Publication
104	Phaneendra Babu Bobba	Conference Proceedings	Impact of mining dust on solar panel efficiency: A comparative study with field data analysis	Scopus + WOS	Scopus indexed Proceedings	AIP Proceedings
105	Phaneendra Babu Bobba	Conference Proceedings	Analysis of solar power generation and prediction using ANN: A case study with data from solar power plants	Scopus + WOS	Scopus indexed Proceedings	AIP Conference Proceedings
106	Phaneendra Babu Bobba	Conference Proceedings	Photovoltaic and wind energy based grid integration	Scopus + WOS	Scopus indexed Proceedings	AIP conference Proceedings

107	Phaneendra Babu Bobba	Conference Proceedings	Deployment of solar farms: A hybrid AHP-TOPSIS analysis with data from multiple solar farms	Scopus + WOS	Scopus indexed Proceedings	AIP
108	Phaneendra Babu Bobba	Conference Proceedings	Challenges of solar PV and BIPV systems in India: A comprehensive review with challenges analysis	Scopus + WOS	Scopus indexed Proceedings	AIP
109	Phaneendra Babu bobba	Conference Proceedings	Parametric optimization for solar panel efficiency in NCR region: A detailed analysis with experimental data	Scopus + WOS	Scopus indexed Proceedings	AIP
110	Phaneendra Babu Bobba	Conference Proceedings	Evaluating Electric Vehicle Charging Impacts on Distribution Grid Stability and Efficiency Through Adaptive Load Management Strategies	Scopus + WOS	Scopus indexed Proceedings	2025 International Conference on Intelligent Control, Computing and Communications (IC3)
111	Phaneendra Babu bobba	Conference Proceedings	Distributed Reinforcement Learning Framework for Collaborative Energy Management in Connected Hybrid Electric Vehicle Ecosystems	Scopus + WOS	Scopus indexed Proceedings	2025 International Conference on Intelligent Control, Computing and Communications (IC3)
112	Phaneendra Babu Bobba	Conference Proceedings	Adaptive Reinforcement Learning Framework for Optimized Energy Management in Hybrid Electric Vehicles Using Synthetic Driving Environments and Open-Source Simulation Models	Scopus + WOS	Scopus indexed Proceedings	2025 International Conference on Intelligent Control, Computing and Communications (IC3)