



VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

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Kapujaggarajupeta, VSEZ (Post), Visakhapatnam - 530 049



Department of Electrical & Electronics Engineering

List of Journal Publications: 2023-24

Sl. No.	Authors name	Title of the paper	Journal name	Volume/ Issue No	Indexing	ISSN No
1.	Dr.B. T. Ramakrishna Rao	Reliability Assessment Of A Power System Incorporating Wind And Solar Farms	Journal Of The Institution Of Engineers (India): Series B	https://doi.org/10.1007/s40031-023-00958-0	ESCI	ISSN: 2250-2114
2.	Dr.Avinash Vujji	Mössbauer Spectral Analysis and Rietveld Structural Refinement for Cationic Distribution of Cr-Co Ferrites	Journal of Molecular Structure	https://doi.org/10.1016/j.molstruc.2023.136865	SCI	ISSN: 0022-2860
3.	Dr. Kapu V Sri Ram Prasad	Spectrum Prediction Indicating Bearing State In Induction Motor By Forced Vibration Analysis And Fuzzy Logic Technique	Journal Of Failure Analysis And Prevention	https://doi.org/10.1007/s11668-023-01756-y	ESCI	ISSN: 2204-2214
4.	Dr. Kapu V Sri Ram Prasad	Deformation Prophecy in Stator Windings with Modal Analysis and Fuzzy Techniques on Asynchronous Machine	Journal Of Failure Analysis And Prevention	https://doi.org/10.1007/s11668-024-01868-z	ESCI	ISSN: 2204-2214
5.	Dr. Kapu V Sri Ram Prasad	Induction Motor Structure Design to Reduce Vibrations With Numerical (FEA) and Experimental (VA) Techniques	IEEE ACCESS	10.1109/ACCESS.2024.3374785	SCI	ISSN: 2169-3536
6.	Dr. Akansha Mishra	Magnetic and Magnetostrictive Properties of Sol-Gel-Synthesized Chromium-Substituted Cobalt Ferrite	GELS-MDPI	Vol. 9 (2023), pp.1-12	SCOPUS	ISSN: 2310-2861
7.	Dr. Avinash Vujji	Enhancement of Weighting Coefficient Selection Using Grey Relational Analysis For Model Predictive Torque Control Of PMSM Drive Analysis And	Distributed Generation & Alternative Energy Journal	https://doi.org/10.13052/dgaej21563306.3854	SCOPUS	ISSN: 1433-1454



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		Experiments				
8.	Mr. P. Anil Kumar	Evaluation of Dielectric Properties of Peanut Oil Biodiesel Mixed with Nano-additives	Journal of Environmental Nanotechnology	DOI:10.13074/jent.2024.03.241514	SCOPUS	ISSN: 2279-0748
9.	Mrs. Renuka P	The Classification Technique for Face Spoof Detection in Artificial Neural Networks with Machine Learning Principles	A Journal Of Composition Theory	DOI:24.18001.AJCT.2024.V17I4.24.5703	UGC	ISSN : 0731-6755
10.	Dr.B. T. Ramakrishna Rao	Optimized energy management system integrated with RES in micro grid using machine learning	IEEE Conference	Under review	Conference	Under review
11.	Dr. Akansha Mishra	Optimization of Dielectric Material and Gradings of the Post-type FGM Spacer for a Multi-Objective Function	Sustainable Energy and Technological Advancements	DOI:10.1007/978-981-99-4175-9_13	Conference	ISBN: 978-981-99-4174-2
12.	Dr.B.Arundhati	A Review on Modeling and Estimation of SOC of Lithium-Ion Battery	Advanced Technologies in Electric Vehicles	DOI:10.1016/B978-0-443-18999-9.00023-5	Book chapter	ISBN:978 04431899 99
13.	Dr.B.Arundhati	Battery thermal management system in electric vehicles employing thermoelectric cooling method	Advanced Technologies in Electric Vehicles	DOI: 10.1016/B978-0-443-18999-9.00018-1	Book chapter	ISBN:978 04431899 99
14.	Dr.B.Arundhati	Design and implementation of adaptive network-based fuzzy inference system controlled grid electric vehicle charging station using solar photovoltaic battery and diesel generator	Advanced Technologies in Electric Vehicles	DOI:10.1016/B978-0-443-18999-9.00001-6	Book chapter	ISBN:978 04431899 99
15.	Dr.B.Arundhati	Design of bidirectional converter for electric vehicles battery charger	Advanced Technologies in Electric Vehicles	DOI:10.1016/B978-0-443-18999-9.00008-9	Book chapter	ISBN:978 04431899 99



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16.	Dr.B.Arundhati	Photovoltaic charger used to charge the battery for off-board electric vehicles with adaptive network-based fuzzy inference system	Advanced Technologies in Electric Vehicles	DOI: 10.1016/B978-0-443-18999-9.00013-2	Book chapter	ISBN:978 04431899 99
17.	Dr. Akansha Mishra	Battery thermal management system in electric vehicles employing thermoelectric cooling method	Advanced Technologies in Electric Vehicles	DOI: 10.1016/B978-0-443-18999-9.00018-1	Book chapter	ISBN:978 04431899 99