KPR Institute of Engineering and Technology

Department of Electrical and Electronics Engineering

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Details of Research Publications

ACADEMIC YEAR 2022-2023

S.No	Author	Title of the paper	Name of the Journal / Conference Volume No, Issue No, Month & Year	Indexing Scopus/ SCI/ SCIE/ WoS etc	Online Link of the paper
1.	Dr. Karthick A.	Investigation on Mechanical and Durability Performance of Reinforced Concrete Containing Red Soil as Alternate for M-Sand	Journal of Nanomaterials, Vol. 2022,July 2022.	SCI	https://www.hindawi.com/journals/jnm/2022/5404416/
2.	Dr. Karthick A.	Mechanical Properties and Electrical Resistivity of the Friction Stir Spot-Welded Dissimilar Al–Cu Joints	International Journal of Polymer Science, Vol. 2022, June 2022	SCI	https://www.hindawi.com/journals/ijps/2022/4130440/
3.	Dr. Karthick A.	IoT-Based Intelligent System for Internal Crack Detection in Building Blocks	Journal of Nanomaterials, Vol. 2022, June 2022	SCI	https://www.hindawi.com/journals/jnm/2022/3947760/
4.	Dr. Karthick A.	Prediction of the Age and Gender Based on Human Face Images Based on Deep Learning Algorithm	Computational and Mathematical Methods in Medicine, Vol. 2022, August 2022.	SCI	https://www.hindawi.com/journals/cmmm/2022/1413597/
5.	Dr. Karthick A.	Relevant-based feature ranking (RBFR) method for text classification based on machine learning algorithm	Journal of Nanomaterials, Vol. 2022, August 2022.	SCI	https://www.hindawi.com/journals/jnm/2022/9238968/

6.	Dr. Rakesh Kumar A.	Sizing of Rooftop PV Array and Community-Run Battery Storage for an Energy Cooperative in Prosumer Cluster	Distributed Generation & Alternative Energy Journal, Vol. 37, Issue 6, Oct 2022	Scopus	https://journals.riverpublishers.com/index.php/DGAEJ/article/view/18849
7.	Dr. Pazhanimuthu C. Dr. Baranilingesan I.	A Grid-Connected Solar PV/Wind Turbine Based Hybrid Energy System Using ANFIS Controller for Hybrid Series Active Power Filter to Improve the Power Quality	International Transactions on Electrical Energy Systems. Vol.2022, Nov 2022	Scopus	https://www.hindawi.com/journals/itees/2022/9374638/
8.	Dr. Karthick A.	Productivity enhancement of solar still through heat transfer enhancement techniques in latent heat storage system: a review	Environmental Science and Pollution Research, Vol. 30, Nov 2022	Scopus	https://link.springer.com/article/10.1007/s11356-022-23964-z
9.	Dr. Mohana Sundaram K.	A novel topology for single-inductor single input triple output DC-DC power converter	International Journal of Power Electronics and Drive Systems, Vol. 14, Issue 1, March 2023	Scopus	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/21923/14084
10.	Dr. Pandiyan P.	Design and simulation of piezoelectric MEMS logic gates	Ferroelectrics, Vol. 602, Jan 2023	SCI	https://www.tandfonline.com/doi/abs/10.1080/00150193.2022.2149306?journalCode=gfer20
11.	Dr. Chandrika V.S.	Fault diagnosis in a five-level multilevel inverter using an artificial neural network approach	Electrical Engineering and Electromechanics, Vol.1, Jan 2023	Scopus	http://eie.khpi.edu.ua/article/view/256732/266668
12.	Mr.Kamalkumar V.	Optimum Transistor Sizing of CMOS Differential Amplifier Using Tunicate Swarm Algorithm	Journal of Circuits, Systems, and Computers, Vol.32, issue 3, Feb 2023	SCI	https://doi.org/10.1142/S0218126623500512

13.	Dr. Karthick A. Dr. Kumar Chinnaiyan V.	Energy forecasting of the building-integrated photovoltaic façade using hybrid LSTM	Environmental Science and Pollution Research, Vol. 30, Jan 2023	SCI	https://link.springer.com/article/10.1007/s11356-023-25606-4
14.	Dr.Rangu Seshu Kumar	An Enhanced Space Vector PWM Strategies for Three Phase Asymmetric Multilevel Inverter	International Transactions on Electrical Energy Systems, Vol. 2023, Feb 2023	SCI	https://www.hindawi.com/journals/itees/2023/5548828/
15.	Dr. Karthick A.	Agrivoltaic: A Strategic Assessment Using SWOT and TOWS Matrix	Energies, Vol.16, Issue 8, Apr 2023	SCI	https://www.mdpi.com/1996-1073/16/8/3313
16.	Dr.Rangu Seshu Kumar	State of the art review on energy management and control of networked microgrids	Sustainable Energy Technologies and Assessments, Vol. 57, June 2023	SCI	https://doi.org/10.1016/j.seta.2202.103248
17.	Dr. Sathish Kumar D.	Optimal scheduling algorithm for residential building distributed energy source systems using Levy flight and chaos-assisted artificial rabbits optimizer	Energy Reports, Vol. 9, Dec 2023	SCI	https://doi.org/10.1016/j.egyr.2023.05.004
18.	Dr. Karthick A.	A comprehensive MCDM-based approach using TOPSIS and EDAS as an auxiliary tool for pyrolysis material selection and its application	Biomass Conversion and Biorefinery,Vol 12,2022	SCI	https://doi.org/10.1007/s13399-020-01009-0
19.	Dr. Pandiyan P.	A comprehensive review of the prospects for rural electrification using stand-alone and hybrid energy technologies	Sustainable Energy Technologies and Assessments, Vol.52,Part B, Aug 2022	SCI	https://doi.org/10.1016/j.seta.2022.102155

20.	Mr.G. Saravanan	The Potential Role of PV Solar Power System to Improve the Integration of Electric Energy Storage System	International Journal of photo energy,Vol 2022	SCI	https://doi.org/10.1155/2022/8735562
21.	Dr. I. Baranilingesan	An Intelligent Neural Network Controller for Non-Linear CSTR Process Control	Iranian Journal of Chemistry and Chemical Engineering,Vol.42,March 2023	Scopus	https://www.ijcce.ac.ir/article_696982_ee68ed80c19d7b7da6cfc56b40903eee.pdf
22.	Dr.S.Ravindran	Optimal dispatch of generators based on network constrained to enhance power deliverable using the heuristic approach	Environmental Science and Pollution Research,Vol 30,Sep 2022	SCI	https://link.springer.com/article/10.1007/s11356-022-23268-2
23.	Dr. Mohana Sundaram K.	Modified High Gain DC-DC Converter with APICs for Microgrid	Mathematical Problems in Engineering, Vol 2022,Oct 2022	SCI	https://doi.org/10.1155/2022/7582036
24.	Dr.Parimala V	Comparative study of conventional solar still with and without black-painted wick materials: energy and exergy study	Desalination and Water Treatment,Vol 294, May 2023	SCI	http://dx.doi.org/10.5004/dwt.2023.29571
25.	Dr.Chandrika VS	Performance Analysis of a Seven-Level Multilevel Inverter in Grid-Connected Systems	International Journal of Electrical and Electronics Engineering (IJEEE)	Scopus	https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=507
26.	Dr.Parimala V	Water depth effect on energy, exergy losses, and exergy efficiency of solar still with wick materials: an experimental research	Environmental Science and Pollution Research, Vol.30,May 2023	SCI	https://link.springer.com/article/10.1007/s11356-023-27519-8

27.	Dr.Sanjeevi Kumar P	Optimal instantaneous prediction of voltage instability due to transient faults in power networks taking into account the dynamic effect of generators	Cogent Engineering,Vol.9,2022	SCI	https://www.tandfonline.com/doi/full/10.1080/23311916.2022.2072568
28.	Narayanasamy P	A feedback analyzer system for interval valued responses on cloud services	Soft Computing,Vol 28, June 2023	SCI	https://link.springer.com/article/10.1007/s00500-023-08835-0
29.	Dr.Sanjeevi Kumar P	Hybrid protection algorithm for power system with renewable energy generation using Stockwell transform and Wigner distribution function	Journal of Engineering Vol 22, June 2022	SCI	https://doi.org/10.1049/tje2.12164

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