



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

List of Articles published by the Faculty in the Academic year 2023-2024

Sl.No	Title of the paper	Name of the Authors	Journal Title	Year	ISSN	Link to article/paper /abstract of the article
1	Performance Evaluation Of Four Phase 8/6 Switched Reluctance Motor For Ship Propulsion System	G. Jegadeeswari, D. Lakshmi, B.Kirubadurai, Zuraidah Harith	Journal of Engineering Science and Technology	Mar 2024	1823-4690	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_2/ICIT2022_2_10.pdf
2	IoT-enabled EMS for grid-connected solar PV-fed DC residential buildings with hybrid HBA-DCGNN approach	Elavarasi R, Marish Kumar P, Priya N, Venkatesh V	Energy conversion and Management	May 2024	1-12	https://doi.org/10.1016/j.enconman.2024.118361
3	A Case Study on Underwater Structural Data Processing Towards Digital Recreation of Poompuhar – Heritage Landmark in South India	T.Sasilatha, T.Baldwin Immanuel	Journal of Engineering Science and Technology	Mar 2024	89-96	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_3/ICIT2022_3_10.pdf
4	UNIFIED POWER QUALITY CONDITIONER FOR VOLTAGE COMPENSATION	R. RAJASREE, D. LAKSHMI, T. SASILATHA,	Journal of Engineering Science and	Mar 2024	120-128	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_2/ICIT2022_2_08.pdf

	IN MICROGIRD	K. STALIN	Technology			
5	DESIGN OF HYBRID DE-FPA FOR LOAD FREQUENCY IN DEREGULATED POWER SYSTEM	D. LAKSHMI1 , T. SASILATHA1 ,	Journal of Engineering Science and Technology	C	118-127	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_3.htm
6	DRIVER DROWSINESS INSPECTION FRAMEWORK USING CONVOLUTIONAL NEURAL SYSTEMS MODELS	R.Karthickmanoj Sasilatha	Journal of Engineering Science and Technology	March2024	67 - 76	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_2.htm
7	MULTI SENSOR DATA FUSION AND VIDEO STREAMING BASED MINE SAFETY MONITORING SYSTEM THROUGH IP	R.Karthickmanoj Sasilatha	Journal of Engineering Science and Technology	March2024	77 - 85	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_2/ICIT2022_2_07.pdf
8	PLANT DISEASE DETECTION USING RANDOM FOREST CLASSIFIER WITH NOVEL SEGMENTATION AND FEATURE EXTRACTION STRATEGY	R.Karthickmanoj Sasilatha	Journal of Engineering Science and Technology	Dec2023	Vol. 18, No. 6 (2023) 32 - 38	https://jestec.taylors.edu.my/Special%20Issue%20on%20ICIT2022_1/ICIT2022_1_04.pdf
9	Development of plant disease detection for smart agriculture	R.Karthickmanoj Sasilatha	Multimedia Tools and Applications	Dec 2023		https://link.springer.com/article/10.1007/s11042-023-17687-7
10	Dual axis solar tracking system for agriculture applications	Lakshmi Dhandapani	International Journal of Power Electronics and Drive Systems	March 2024	Vol. 15, No. 1, M	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22820/14458

	using machine learning		(IJPEDS)			
11	Optimal Design of modern Transformer-less Photo Voltaic Inverter for Renewable Energy System	G. Jegadeeswari, D. Lakshmi, B.Kirubadurai	Indian Journal of Natural Sciences	Dec 2023	0976-0997	https://tnsroindia.org.in/JOURNAL/issue81/IJONS%20-%20DECEMBER%202023%20-%20FULL%20TEXT%20PART%2002.pdf
12	Renewable Energy based Switched Reluctance Motor for Marine Propulsion System	G. Jegadeeswari D. Lakshmi	Indian Journal of Natural Sciences	Dec 2023	0976-0997	https://tnsroindia.org.in/JOURNAL/issue81/IJONS%20-%20DECEMBER%202023%20-%20FULL%20TEXT%20PART%2002.pdf
13	Grey Wolf Optimization Algorithm for Tuning PI Controller Based Speed Control of Switched Reluctance Motor for Ship Propulsion Systems	G. Jegadeeswari, D. Lakshmi, B.Kirubadurai	Advances in Science and Technology (AST)	Sept 2023	1662-0356	https://doi.org/10.4028/p-T96f23
14	ANN and Fuzzy Logic Based Direct Instantaneous Torque Control for 8/6 Switched Reluctance Motor	G. Jegadeeswari, D. Lakshmi, B.Kirubadurai	Lecture notes in Mechanical Engineering, Springer	July 2023	-	https://doi.org/10.1007/978-981-99-1288-9_31
15	Design and Development of a Smart Solar Photovoltaic Uninterruptible Power Supply System	R.Elavarasi, Karpagam.R, N.Priya	IEEE xplore	September 2023	979-8-3503-1577-6	DOI: 10.1109/CCPIS59145.2023.10291659
16	Investigation and Compatibility of a Low Profile Wideband Circular Ring Patch Antenna with Slotted Partial Ground Plane	Jayasukumari I, Themozhi G, Amali C	Advances in Science and Technology	27.09.2023	137-141	doi:10.4028/pSqy7p

17	Design of rectangular microstrip patch antenna using hybrid group teaching optimization algorithm and volcano Eruption algorithm	I Jayasukumari, G Themozhi, C Amali	Wireless Networks	May 2023	3091-310	
18	Analysis of suitable converter for the implementation of drive system in solar photovoltaic panels	G. Themozhi, K. Srinivasan, T. Arun Srinivas, A. Prabha	Electrical Engineering & Electromechanics	2024	pp.17-22	doi:10.1111/coin.12361
19	Three Phase Induction Motor for Marine Propulsion System Using Nature Inspired Algorithm Based ANFIS Controller with 31 Level CHB MLI	R.K.Padmashini Dr.D.Lakshmi V.Pramila J.N.Rajesh Kumar	International journal of Electrical and Electronics Engineering	Nov 2023	Volume 10 Issue 11, 1-20, November 2023	https://doi.org/10.14445/23488379/IJEEE-V10I11P101
20	NOVEL CONTROLLER FOR GRID CONNECTED PV SYSTEM THROUGH 13 LEVEL INVERTERS	R.K.Padmashini Dr.D.Lakshmi	Journal of Data acquisition and processing	June 2023	4726-4742	https://sjcjycl.cn/ DOI: 10.5281/zenodo.777546
21	Direct Torque Controlled Induction Motor Drive for Electric Vehicles Application	Dr.V.Sridevi	IEEE Explore	June 2023	979-8-3503-9663-8	DOI: 10.1109/ICCES57224.2023.10192731
22	Smart Control of Solar-Powered Zeta Converter using Sliding Mode Technique and IoT	Dr.V.Sridevi	IEEE Explore	July 2023	979-8-3503-0009-3	DOI: 10.1109/ICESC57686.2023.10193482
23	Voltage Regulation in the Grid using Static Synchronous	Dr.V.Sridevi	IEEE Explore	July 2023	979-8-3503-0009-	DOI: 10.1109/ICESC57686.2023.10192950

	Compensator and IoT Monitoring				3	
24	Photovoltaic-Fed Buck Converter for Low Energy Efficient IoT Systems	Dr.V.Sridevi	IEEE Explore	October 2023	979-83-503-0086-4	DOI: 10.1109/ICSSAS57918.2023.10331742