



VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN (AUTONOMOUS)
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3.4.3 Number of research papers per teacher in the Journals notified on UGC website during the year of 2023-2024

3.4.3.1 : Number of research papers in the Journals notified on UGC website during the year of 2023-2024

Sl.No.	Title of the Paper	Name of the author/s	Department of the teacher	Name of the Journal	ISSN number	Link to Document
1.	Deep neural Fuzzy based fractional order PID controller for level control applications in quadruple tank system	T.Agitha, T.S.Sivarani	BME	Journal Of Intelligent and Fuzzy Systems	1064-1246	View
2.	Removal of heavy metals by using magnetically reusable Fe ₃ O ₄ @ZnO nanocomposite from Andrographis paniculata leaf extract:a greener way to remove industrial effluents	Dr.M.S.Manoj kumar	BT	Journal of Iranian Chemical society	1735-2428	View

3.	Biodegradable hydrogels from spider silk proteins: Synthesis, Characterization and applications –A review	Dr.M.Rajamehala	BT	International Journal of Innovative Research In Technology	2349-6002	View
4.	Sustainable Production of metabolites using Solid state fermentation: A Review of microorganisms and Process Conditions	Dr.S.Chozhavendhan	BT	Journal of Energy and Environmental Sustainability	1525-6103	View
5.	Hyaluronic Acid Nanomaterials in Targeted Drug Delivery for Cancer Therapy	Mr. M. Vijay Pradhap Singh	BT	Journal of Advanced Zoology	0253-7214	View
6.	Characterisation of prepared cefixime and Metronidazole with chitosan nanoparticle for Pharmaceutical application	Dr.M.Rajamehala	BT	Oxidation Communications	0209-4541	View
7.	Banana peel extract for CeO ₂ nanoflower synthesis:Enhancing Photocatalytic activity for methyl orange dye removal and bactericidal effects	Dr.M.S.Manoj kumar	BT	Environmental Research	1096-0953	View
8.	Antioxidant Rich, Isolation and Partial Purification of Zeaxanthin from Brassica Oleracea Inducing in Breast Cancer Cell Line	Dr. K. Gilbert Ross Rex	BT	Oxidation Communications	0209-4541	View
9.	Next-generation hybrid technologies for the treatment of pharmaceutical industry effluents	Mr. M. Vijay Pradhap Singh	BT	Journal of Environmental Management	1095-8630	View
10.	Advancement in Biogas Purification Technologies: A Comprehensive Review	Mrs.M.Fathima	BT	Strad Research	0039-2049	View

11.	Investigation on Waste to Biogas Conversion: A Comprehensive Review	Mrs.M.Fathima	BT	International Journal of Innovative Research In Technology	2349-6002	View
12.	Mitigation of Phishing URL Attack in IoT using H-ANN with H-FFGWO Algorithm	Dr.C.Poongodi	CSE	Ksii Transactions On Internet and Information Systems	1976-7277	View
13.	Ensemble 3D CNN and U-Net based brain tumour classification with MKKMC Segmentation	Dr.C.Poongodi	CSE	Journal for Control, Measurement, Electronics, Computing and communications	0005-1144	View
14.	Autoencoder-Based Architecture for Identification and Mitigating Phishing URL Attack in IOT using DNN	Dr.C.Poongodi	CSE	Journal of the Institution of Engineers	10.1007/s40031-023-00934-8	View
15.	Advancements in Mango Leaf Disease Detection: A Comprehensive Survey of Emerging Techniques	Mrs.E.Sowmiya	CSE	European chemical Bulletin	5302-5324	View
16.	Fortified Chain Framework For Security And Privacy Assured Internet of Medical Things (IoMT)	Dr.R.Nithya , Mr.K.Mathivanan, Ms.S.Indumathi, Mrs.A. Saranya	CSE	Bulletin For Technology And History Journal	0391-6715	View
17.	Predictive Analysis of Food Sales Forecasting Using Enhanced Bidirectional Long Short Term Memory	Mrs.T.Kavitha, Mrs.A.Saranya, Mrs.K.Rajeswari, Mrs.E.Sowmiya	CSE	International Journal of Research And Analytical Reviews	2349-5138	View
18.	An Image processing approaches on fruit defect detection using openCV	Dr.R.Nithya, Mrs.A. Saranya	CSE	International Research Journal of Engineering and Technology	2395-0056	View
19.	Intrusion Detection System in Industrial Cyber-Physical System using Clustered Federated Learning	Subramaniam Balu	CSE	SN Computer Science	10.1007/s42979-023-01821-1	View
20.	A Novel Approach of Cloud Computing Network for Authentication and Security	Dr.N.Magendiran	CST	Journal of Electrical Systems	1112-5209	View

	Enhancement of IoT Enabled Cancer Forecasting System					
21.	Wireless Traffic and Routing Enhancement Using Emperor Penguin Optimizer Guided by Conditional Generative Adversarial Nets	Dr.P.T.Kalaivaani	ECE	ICTACT Journal on Communication Technology	2229-6948	View
22.	Design Of A Carbon Nanotube Based Quarternary Adder For High Speed And Low Power Application	Dr.V.M.Senthilkumar	ECE	ICTACT Journal on MicroElectrnics	2395-1680	View
23.	Hybrid sine-cosine black widow spider optimization based route selection protocol for multihop communication in IoT assisted WSN	Mr.S.Balakrishnan	ECE	Technical Gazette	1330-3651	View
24.	Multi-objective Sand Piper Optimization Based Clustering with Multihop Routing Technique for IoT Assisted WSN	Mr.S.Balakrishnan	ECE	Brazilian Archives of Biology and Technology	1678-4324	View
25.	Apex Feed Microstrip Printed Hybrid Dielectric Resonator Antenna for Wireless Application	Mr.S.Balakrishnan	ECE	Technical Gazette	1330-3651	View
26	Seagull Optimization-based Feature Selection with Optimal Extreme Learning Machine for Intrusion Detection in Fog Assisted WSN	Mr.M.Thiruppathi	ECE	Technical Gazette	1330-3651	View
27.	Oppositional Coyote Optimization based Feature Selection with Deep Learning Model for Intrusion Detection in FogAssisted Wireless Sensor Network.	Mr.M.Thiruppathi	ECE	Acta Montanistica Slovaca	1335-1788	View
28.	Cuckoo search firefly aided optimization framework for	Pradeep Ammasaikutty, Kannan Palanisamy	EEE	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-224393	View

	design of medium voltage micro grid connected soft switching solid-state transformer (MS4T)					
29.	Optimal sizing and optimization of financial cost for EVs using SPOA-RBFNN technique	P.Kannan	EEE	Energy & Environment	10.117/0958305X231225101	View
30.	Optimal battery-swapping mechanism for electric vehicles using hybrid approach	Kannan Palanisamy	EEE	Clean Technologies and Environmental Policy	10.1007/s10098-023-02632-X	View
31.	Whale optimization algorithm and internet of things for horizontal axis solar tracker-basedload optimization	Magudeswaran Paramasivam	EEE	Indonesian Journal of Electrical Engineering and Computer Science	2502-4752	View
32.	Analysis and implementation of artificial intelligence based EV charger in grid tied PV system using ann	Goutham B	EEE	International Journal of Intellectual Advancements and Research in Engineering Computations	2348-2079	View
33.	Internet of Things Based Horizontal Axis Tracking Solar Panel Performance Evaluation	P. Magudeswaran	EEE	Electric Power Components and Systems	10.1080/15325008.2023.2243940	View
34.	Design of 7 Level Multilevel Inverter with Reduced Switches	Santhosh Kumar D, Preethi A	EEE	International Research Journal of Engineering and Technology	2395-0056	View
35.	Study and Control of Matrix Converter Based PMSG Systems in Wind Power Generation	Pradeep Ammasaikutty	EEE	Journal of Xidian University	1001-2400	View
36.	Energy Management System in Micro Grid and Smart Grid	Pradeep Ammasaikutty, Kannan Palanisamy, Madhumitha Ganeshan, Sharmila Srinivasan	EEE	International Journal of New Innovations in Engineering and Technology	2319-6319	View
37.	Efficient Detection of Sensor Attacks in Independent Vehicles Using Ai Approach	Dr.A.V.Santhosh Babu, T.Haritha	IT	International Journal of Multidisciplinary Research in Science, Engineering and Technology	2582-7219	View

38.	Multi factor authentication using NDB for robust protection	Dr.S.Radha, C.Visali	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
39.	Student attention monitoring system using webcam	T.Haritha	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
40.	Web development alumni management system for strengthening connections and stream line database	T.Haritha	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
41.	ML Approach for musical therapy using facial expression and voice emotion recognition	S.Merena	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
42.	Online mentor mentee system using full stack development	T.Janani	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
43.	Web Development for On-Road Vehicle Breakdown Assistance	T.Janani	IT	International Journal of New Innovations in Engineering and Technology	2319-63191	View
44.	Solar Powered water irrigation system	Dr.S.Radha	IT	Journal of Emerging Technologies and Innovative Research	2349-5162	View
45.	Automatic Fire Fighting Robotic System using IoT	P.Sudha	IT	International Journal of Creative Research Thoughts	2320-2882	View
46.	A Comprehensive Review of Research Obstacles, Recent Breakthroughs in the Field of Deep Learning-Driven Detection of Marine Objects in Underwater Environments	S.Merena, M.Priyanka	IT, CST	TuijinJishu/Journal of Propulsion Technology Journal	1001-4055	View

47.	Smart bus arrived time route prediction using ANN for public transport using IOT Technology:A Survey	S.Merena, M.Priyanka	IT, CST	Journal of Emerging Technologies and Innovative Research	2349-5162	View
48.	Workload prediction for enhancing power efficiency of cloud data centers using optimized self-attention-based progressive generative adversarial network	Dr.A.V.Santhosh Babu	IT	International Journal of Communication Systems	1074-5351	View
49.	Box-Behnken Design for Photocatalytic Degradation of Sudan Black B by Catalyst-Embedded Multiwalled Carbon Nanotubes	S. Mageswari	Chemistry	J. Environ. Nanotechnol	2319-5541	View
50.	Environmentally friendly TDS removal from waste water by electrochemical ion exchange batch-type recirculation (EIR) technique	G Vijayakumar	Chemistry	Environmental Science: Water Research & Technology	2053-1419	View
51.	Novel rare earth metal and aluminium codoped ZnO photocatalysts for degradation of rhodamine b dye	A. Panneerselvam	Physics	Digest Journal of Nanomaterials and BioStructures	1842-3582	View
52.	Structural, morphological, and optical properties of praseodymium and aluminium codoped ZnO nanoparticles	A. Panneerselvam	Physics	Journal of Ovonic Research	1584 - 9953	View
53.	Aluminium and fluorine doped tungsten oxide hybrid nanoparticles via simplified soft chemical route for the photocatalytic degradation of methylene blue dye	A. Panneerselvam, K Balachandran	Physics & Chemistry	Journal of Materials Science: Materials in Electronics (JMSE)	573-482X	View
54.	Acoustical and Spectroscopical Analysis of Surfactant with	A. Panneerselvam	Physics	Oriental Journal of Chemistry	2231-5039	View

	Different Alcohols at Various Concentrations and Temperatures					
55.	Structural, Optics, Visible Light Photocatalytic Activity of Pure and Pd Doped Tungsten Trioxide Nanoparticles Synthetized by Microwave Irradiation Method	A. Panneerselvam	Physics	Portugaliae Electrochimica Acta	1647-1571	View
56.	Observations on “Mg” incorporated oxides of tungsten for superconducting applications	A. Panneerselvam S.Mageswari	Physics & Chemistry	Digest Journal of Nanomaterials and Biostructures	1842-3582	View
57.	Performance and Emission Analysis of biodiesel Blends in a Low Heat Rejection Engine with an Antioxidant Additive: An Experimental Study	Murugan Manickam	Mechanical	American Chemical Society BY-NC-ND 4.0	10.1021/acso mega.3c02742	View
58.	Exploring thermal dynamics of polyaniline-modified paraffin wax phase change material with varied PANI loading(1-4% wt.)	Murugan Manickam	Mechanical	Heat and Mass Transfer	10.1007/s002 31-024-03454- 3	View