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S.No	Title of Paper	Author(s)	Dept	Journal Name	Year of Publication	ISSN	Article Link/Abstract
Number of Research papers published in Journals - 2023 - 2024							
1	Fuel Prediction Model for Driving Patterns Using Machine Learning Techniques	Ashok Kumar P S	IOT	Journal of Computer Science	2024	1549-3636	https://thescipub.com/pdf/jcssp.2024.291.302.pdf
2	Design of FinFET Based Op-Amp Using High-K Device 22 nm Technology	Bharathi Gururaj	ECE	Advances in Transdisciplinary Engineering	2023	-	-
3	An effective autism spectrum disorder screening method using machine learning classification techniques	Bharathi Gururaj	ECE	Concurrency and Computation: Practice and Experience	2023	ISSN: 1532 0626	https://onlinelibrary.wiley.com/doi/abs/10.1002/cpe.7898
4	Low Noise Operational Amplifier using Current Driving Bulk by CMOS Technology	Bharathi Gururaj	ECE	WSEAS TRANSACTIONS ON ELECTRONICS	2024	-	-



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5	Lanthanum (La) substitution on the magnetic and electrical properties of Nickel Ferrites: An investigation of its doping concentration	D.V. Anandhi	PHYSICS	DeGruyter	2024	0942-9352	https://doi.org/10.1515/zpch-2023-0485
6	Assessing thermal and economic performance of solar dryers in sustainable strategies for bottle gourd and tomato preservation	Dr. Elavarasan Elangovan	AS	Scientific Reports	2024	2045-2322	https://www.nature.com/articles/s41598-024-78147-2
7	Forecasting Ionospheric TEC Changes Associated with the December 2019 and June 2020 Solar Eclipses: A Comparative Analysis of OKSM, FFNN, and DeepAR Models	Dr. R. Mukesh	AS	Advances in Astronomy	2024	1687-7977	https://onlinelibrary.wiley.com/doi/10.1155/2024/8255782



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8	Analysis of Ionospheric TEC Variations and Prediction of TEC during Earthquakes Using Ordinary Kriging Based Surrogate Model	Dr. R. Mukesh	AS	Geomagnetism and Aeronomy	2024	0016-7932	https://link.springer.com/article/10.1134/S001679322360025X
9	Prediction of ionospheric TEC by LSTM and OKSM during M class solar flares occurred during the year 2023	Dr. R. Mukesh	AS	Astrophysics and Space Science	2024	0004-640X	https://link.springer.com/article/10.1007/s10509-024-04290-x
10	Hovering performance analysis of helicopter rotor blades using supercritical airfoil	Dr. R. Mukesh	AS	Aircraft Engineering and Aerospace Technology	2024	0002-2667	https://www.emerald.com/insight/content/doi/10.1108/aeat-09-2023-0244/full/html
11	Hovering performance analysis of helicopter rotor blades using supercritical airfoil	Dr. R. Mukesh	AS	Aircraft Engineering and Aerospace Technology	2024	0002-2667	https://www.emerald.com/insight/content/doi/10.1108/aeat-09-2023-0244/full/html
12	Strongly ζ I-Continuous Maps in $I_{\zeta}T S$	Dr. Raghavendra K	MATHEMATICS	ECB	2023	ISSN 2063-5346	-



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13	Computational study of consequence of effect of velocity slip on nanofluids with suspended CNTs	Dr. Raveendra N	CHY	Numerical Heat Transfer, Part A: Applications	2023	ISSN: (Print) (Online)	https://www.tandfonline.com/doi/full/10.1080/10407782.2023.2178560
14	Effects of thermal radiation on Hiemenz slip flow and heat transfer of MHD non-Newtonian fluid in porous media due to permeable plate	Dr. Raveendra N	CHY	Numerical Heat Transfer, Part A: Applications	2023	ISSN: (Print) (Online)	https://www.tandfonline.com/doi/full/10.1080/10407782.2023.2292196
15	Multiple Slip Effects on the Time Independent MHD Flow of a UCM Fluid over an Elongating Surface That Has Higher-Grade Chemical Reaction	Dr. Raveendra N	CHY	International Journal of Heat and Technology	2024	0392-8764	https://iieta.org/journals/ijht/paper/10.18280/ijht.420137



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16	Effect of Partial Slip on Mass Transfer Flow of Non-Newtonian Fluid Due to Unsteady Stretching Sheet	Dr. Raveendra N	CHY	Lecture Notes in Civil Engineering	2024	2366-2557	-
17	Generalizations of Locally Continuous Maps in Topological Spaces	Dr. Raghavendra K	MATHEMATICS	ADVANCED TECHNOLOGIES IN CHEMICAL, CONSTRUCTION AND MECH SCIENCES: ICATCHCOME 2022	2023	1551-7616	https://pubs.aip.org/aip/acp/article-abstract/2764/1/030010/2911035/Generalizations-of-locally-continuous-maps-in?redirectedFrom=PDF
18	An Intelligent Healthcare System: Leveraging AI and IoT for Efficient Diagnosis and Treatment	Dr. Raghavendra K	MATHEMATICS	BioGecko	2023	2230-5807	https://biogecko.co.nz/index.php/journal/article/view/6/9
19	Hovering performance analysis of helicopter rotor blades using supercritical airfoil.	Inamul Hasan, Mukesh R., Radha Krishnan P., Srinath R.	AE	Aircraft Engineering and Aerospace Technology	2024	0002-2667	https://www.emerald.com/aeat/article-abstract/96/8/1026/1227830/Hovering-performance-analysis-of-helicopter-rotor?redirectedFrom=fulltext



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20	Automated Analysis Of Diabetic Vasculopathy Using Semantic Segmentation Of Thermal Images Of Peroneal Vessel	Joshi, Gayatri, and Punal M. Arabi	BME	DATA & METADATA	2024	2953-4917	https://www.elibrary.ru/item.asp?id=73782712
21	Improved Congestion Control in Wireless Sensor Networks Using Clustering with Metaheuristic Approach	Kavita K Patil	CSE	Journal of Interconnection Networks	2023	2192-659X	https://www.worldscientific.com/doi/abs/10.1142/S0219265922500050
22	Automatic COVID-19 prediction with comprehensible machine learning models	Kiran Puttegowda, Sunil Kumar DS, Sahana Mallu, Vijay CP, Vinayakumar Ravi, Sushmitha BC	ECE	The Open Public Health Journal	2024	1874-9445	https://www.openpublichealthjournal.com/VOLUME/17/ELOCATOR/e18749445286599/ABSTRACT/



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23	Performance, Combustion and Emission analysis of Pongamia oil of Biodiesel engine with nano additives: an experimental study	Kumara B M	MECH	Journal of Basic Science and Engineering	2024	ISSN: 1005-0930	https://yjgkx.org/uploads/archives/31b9d5f8-ef31-4f93-9001-868a07b5df55.pdf
24	Erratum to “A novel hybrid biometric software application for facial recognition considering uncontrollable environmental conditions”	M. Mathivanan	ECE	Healthcare analytics	2024	27724425	https://www.sciencedirect.com/science/article/pii/S2772442524000017?via%3Dihub
25	Recalling-Enhanced Recurrent Neural Network optimized with Chimp Optimization Algorithm based speech enhancement for hearing aids	M. Mathivanan	ECE	Intelligent Decision Technologies	2024	18724981	https://journals.sagepub.com/doi/10.3233/IDT-230211
26	Diabistep Care- A smart Insole	Mr. Abhishek. P	BME	International journal of innovative research in computer and communication engineering	2024	-	https://ijrcce.com/admin/main/storage/app/pdf/q4nFYOn6jmg2tHRvP2xM6Be2WRkjO5bwpNnbdj5.pdf



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27	Diabistep Care- A smart Insole	Mr. K. Ramkumar	BME	International journal of innovative research in computer and communication engineering	2024	-	https://ijircce.com/admin/main/storage/app/pdf/q4nFYOn6jmg2tHRvP2xM6Be2WRkjO5bwpNnbrdj5.pdf
28	Performance analysis of FFNN and Kriging model on prediction of ionospheric TEC during April 2022 – X 1.1 solar flare	Mr. Vijay M	AS	International Journal of Ambient Energy	2024	-	https://www.tandfonline.com/doi/full/10.1080/01430750.2024.2304726
29	Prediction of Range Error in GPS Signals during X-Class Solar Flares Occurred between January–April 2023 Using OKSM and RNN	Mr. Vijay M	AS	Geomagnetism and Aeronomy	2024	1555-645X	https://link.springer.com/article/10.1134/S0016793224600437
30	Analysis of TEC variations and prediction of TEC by RNN during Indonesian earthquakes occurred from 2004 to 2024 and comparison with IRI-2020 model	Mr. Vijay M	AS	Advances in Space Research	2024	0273-1177	https://www.sciencedirect.com/science/article/abs/pii/S0273117724007749?via%3Dihub



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31	Forecasting Ionospheric TEC Changes Associated with the December 2019 and June 2020 Solar Eclipses: A Comparative Analysis of OKSM, FFNN, and DeepAR Models	Mr. Vijay M	AS	Advances in Astronomy	2024	1687-7977	https://onlinelibrary.wiley.com/doi/10.1155/2024/8255782
32	Analysis of Ionospheric TEC Variations and Prediction of TEC during Earthquakes Using Ordinary Kriging Based Surrogate Model	Mr. Vijay M	AS	Geomagnetism and Aeronomy	2024	0016-7932	https://link.springer.com/article/10.1134/S001679322360025X
33	Prediction of ionospheric TEC by LSTM and OKSM during M class solar flares occurred during the year 2023	Mr. Vijay M	AS	Astrophysics and Space Science	2024	0004-640X	https://link.springer.com/article/10.1007/s10509-024-04290-x
34	Portable Advanced Sterilization System	Mrs. Manju Davy	BME	International journal of multidisciplinary research in science, engineering and technology	2024	-	https://ijmrset.com/upload/70_Portable.pdf



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35	Portable Advanced Sterilization System	Mrs. Nagashree Pavan	BME	International journal of multidisciplinary research in science, engineering and technology	2024	-	https://ijmrset.com/upload/70_Portable.pdf
36	Smart Bluetooth Inhaler for Medication Delivery	Mrs. Rani Vargheese	BME	International journal of Multi disciplinary research in science engineering and Technology	2024	-	https://www.ijmrset.com/upload/51_Smart.pdf
37	Smart crutches using IOT	Mrs. Rani Vargheese	BME	International Journal of Innovative research of Science, Engineering and Technology	2024	-	https://www.ijirset.com/upload/2024/august/175_Smart.pdf
38	Performance analysis of FFNN and Kriging model on prediction of ionospheric TEC during April 2022 – X 1.1 solar flare.	Mukesh, R., Dass, S. C., Vijay, M., Ramanan, G.,	AS	International Journal of Ambient Energy	2024	2162-8246	https://www.tandfonline.com/doi/abs/10.1080/01430750.2024.2304726
39	A novel smart irrigation framework with timing allocation using solenoid valves and Arduino microcontroller	NAGESH H B	ECE	International Journal of Reconfigurable and Embedded Systems	2024	20894864	https://ijres.iaescore.com/index.php/IJRES/article/view/21281



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40	Influence of MoS ₂ with TiC on the Tribological and Wear Properties of Hybrid Aluminum Composites.	Ramanan G, Dennis BP, Ramakrishnan NR, Rajendran AR.	AE	In Intelligent Manufacturing and Energy Sustainability: Proceedings	2023	3005-8066.	https://link.springer.com/chapter/10.1007/978-981-19-8497-6_27
41	Enhancing Security In Device-To-Device Communication Of 5G Networks Through Hybrid Method Using AES And Huffman Encoding	S Anitha	BME	Journal of Namibian Studies: History Politics Culture	2023	-	-
42	DiabNet: A Convolutional Neural Network for Diabetic Retinopathy Detection	S Anitha	BME	Journal of Information & Knowledge Management	2024	-	-
43	Parametric study of FSW process on AA6061- Activated carbon composite using particle swarm optimization.	Samuel G D, Ramanan G, Raj RA, Raja D B.	AE	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/science/article/abs/pii/S2214785322075897



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44	ELECTROCATALYSIS OF COBALT DOPED CeO ₂ /rGO NANOCOMPOSITE FOR OXIDATION OF METHANOL AND FORMIC ACID	Selvanandan ,S.	PHYSICS	RASAYAN JOURNAL OF CHEMISTRY	2024	0974-1496	https://rasayanjournal.co.in/admin/php/upload/4182_pdf.pdf
45	DETECTION OF SUSPICIOUS BEHAVIOUR IN ATM SITE USING COMPUTER VISION TECHNIQUES	SHARATH BABU CG	ECE	INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH	2023	IJSDR2302049	-
46	IDENTIFICATION AND DETECTION OF ABNORMAL ACTIVITY IN ATM USING DEEP LEARNING	SHARATH BABU CG	ECE	INTERNATIONAL JOURNAL FOR RESEARCH AND TRENDS AND INNOVATION	2023	IJRTI2302037	-
47	ELECTROCATALYSIS OF COBALT DOPED CeO ₂ /rGO NANOCOMPOSITE FOR OXIDATION OF METHANOL AND FORMIC ACID	Shivakumar MS	CHY	RASAYAN JOURNAL OF CHEMISTRY	2024	0974-1496	https://rasayanjournal.co.in/admin/php/upload/4182_pdf.pdf



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48	Ni-Doped cerium oxide on rGO: A hydrothermal approach for high-performance supercapacitors	Shivakumar MS	CHY	Sustainable Chemistry for the Environment	2024	-	https://www.sciencedirect.com/science/article/pii/S2949839224000609
49	Automatic COVID-19 Prediction with Comprehensible Machine Learning Models	Susmitha B C	ECE	The Open Public Health Journal	2024	ISSN: 1874-9445	https://www.openpublichealthjournal.com/VOLUME/17/ELOCATOR/e18749445286599/ABSTRACT/
50	Congestion Detection and Alleviation Mechanism Using Multi-Level Cluster Based Cuckoo Hosted Rider Search Multi-Hop Hierarchical Routing Protocol in WSN	T Senthil Kumaran	CSE	Journal of Circuits, Systems and Computers	2023	0218-1266	https://www.worldscientific.com/doi/abs/10.1142/S0218126623501621



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51	OCC-MP: Optimal cluster based congestion aware multipath routing protocol in WSN using hybrid evolutionary techniques	T Senthil Kumaran	CSE	Measurement: Sensors	2024	2665-9174	https://www.sciencedirect.com/science/article/pii/S2665917423003434
52	Photoplethysmogram signal reconstruction through integrated compression sensing and shallow learning	T Senthil Kumaran	CSE	IAES International Journal of Artificial Intelligence	2024	2089-4872	https://ijai.iaescore.com/index.php/IJAI/article/view/23137
53	An auto-encoder biomedical signal transmission through custom convolutional neural network	T Senthil Kumaran	CSE	IAES International Journal of Artificial Intelligence	2024	2089-4872	https://ijai.iaescore.com/index.php/IJAI/article/view/23541
54	Computer Aided Classification of Lung Cancer, Ground Glass Lung and Pulmonary Fibrosis Using Machine Learning and KNN Classifier	T. P., Prathibha; Arabi, Punal M.	BME	International Journal of Advanced Computer Science and Applications	2024	2158107X	https://thesai.org/Publications/ViewPaper?Volume=15&Issue=7&Code=IJACSA&SerialNo=111


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