



Sl. No	Title of paper	Name of the author/s	Dept.of Faculty	Name of the Journal	Year of publication	ISSN/ ISBN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (DOI) number
							Link to article/paper/abstract of the article
1	An optimal self adaptive deep neural network and spine kernelled chirp let transform for image registration	Dr.I.Manju	ECE	Concurrency and Computation: Practice and Experience	2022		<a href="https://doi.org/10.1002/cp.297">https://doi.org/10.1002/cp.297</a>
2	Design and Analysis of Classifier for Atrial Fibrillation and Deep Neural Networks with ECG.	Dr.M.Sivakumar	ECE	Computational Imaging and Analytics in Biomedical Engineering Algorithms and Applications	2022		<a href="https://www.appleacade micpress.com/computational-imaging-and-analytics-in-biomedical-engineering-algorithms-and-applications-/9781774914717">https://www.appleacade micpress.com/computational-imaging-and-analytics-in-biomedical-engineering-algorithms-and-applications-/9781774914717</a>
3	Design and Analysis of Efficient Short-Time Fourier Transform-Based Feature Extraction for Removing EOG Artifacts Using Deep Learning Regression	Dr.M.Sivakumar	ECE	Computational Imaging and Analytics in Biomedical Engineering Algorithms and Applications	2022		<a href="https://www.appleacade micpress.com/computational-imaging-and-analytics-in-biomedical-engineering-algorithms-and-applications-/9781774914717">https://www.appleacade micpress.com/computational-imaging-and-analytics-in-biomedical-engineering-algorithms-and-applications-/9781774914717</a>
4	Night Surveillance Robot for Women Safety	Dr.M.Sivakumar	ECE	3rd International Conference on Electronics and Sustainable Communication Systems (ICESC),	2022		<a href="https://doi.org/10.1109/ICESC54411.2022.9885479">10.1109/ICESC54411.2022.9885479.</a>
5	Extricating Web Pages From Deep Web Using Deaima Architecture	Mr. D. Weslin	IT	Journal of Theoretical Computer Science	2022	0304-3975	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304397522004480">https://www.sciencedirect.com/science/article/abs/pii/S0304397522004480</a>
6	Fusion based underwater image enhancement and detail preserving	Dr.I.Manju	ECE	IEEE Xplore	2022		10.1109/ICONSIP49665.2022.10007472
7	Underwater image enhancement using color constancy via high pass emphasis filter and DCP	Dr.I.Manju	ECE	IEEE Xplore	2022		10.1109/ICONSIP49665.2022.10007522
8	Design and Optimization of Compact RFID Antenna Tag for Biomedical Applications	Dr. K.S.Srinivasan, Dr.I.Manju, Dr.M.Sivakumar	ECE	6 <sup>th</sup> International Conference on Micro electronics and telecommunication Engineering (ICMETE)	2022		<a href="https://doi.org/10.1007/978-981-19-9512-5_24">10.1007/978-981-19-9512-5_24</a>



9	Autonomous Health Care Robot	Dr.M.Sivakumar	ECE	6th International Conference on Micro electronics and telecommunication Engineering (ICMETE)	2022		<a href="https://doi.org/10.1007/978-981-19-9512-5_20">10.1007/978-981-19-9512-5_20</a>
10	Thingspeak Based Garbage Monitoring and Collecting System	Dr.M.Sivakumar	ECE	6 <sup>th</sup> International Conference on Micro electronics and telecommunication Engineering (ICMETE)	2022		<a href="https://doi.org/10.1007/978-981-19-9512-5_21">10.1007/978-981-19-9512-5_21</a>
11	Low Power Methodologies for FPGA – An Overview	Dr.M.Sivakumar	ECE	Springer Tracts in Electrical and Electronics Engineering	2022		<a href="https://doi.org/10.1007/978-981-99-0639-0_4">10.1007/978-981-99-0639-0_4</a>
12	IoT Devices Based Low Power Dependability	Dr.M.Sivakumar	ECE	Springer Tracts in Electrical and Electronics	2022		10.1007/978-981-99-0639-0_5
13	Synthesization And Characterization Of Silicon Carbide And Boron Nitride-Reinforced Al–Zn–Mg Alloy Hybrid Nanocomposites Using Squeeze Casting Method	Mr.Tharanikumar L	MECH	International Journal of Metalcasting,	2023		
14	Enhancing the microstructure and mechanical properties of Si <sub>3</sub> N <sub>4</sub> eBN strengthened Al <sub>e</sub> Zn <sub>e</sub> Mg alloy hybrid nano composites using vacuum assisted stir casting method	Mr.Tharanikumar L	MECH	journal of materials research and technology	2022		
15	Bending and torsion performance study of plastic gears using FEA	Dr. Saravanan. A	MECH	Journal Of Aeronautical Materials	2023		
16	Machine learning approach for measuring water quality of coastline and	Mr. S.R. Mohan	MECH	wiley	2023		



	estuaries in Chennai coastal area						
17	Design and Fabrication of Automatic Pneumatic Controlled Bar Feeding, Clamping And Cutting Attachment Using Arduino Microcontroller	Dr. Ramesh. G	MECH	PURKELA	2023		
18	A Novel Approach to IoT-Based Solar Energy	Dr. S. Prasath	MECH	Eur. Chem. Bull.	2023		
19	Evaluation and Mechanical and Microstructural Properties of Aluminium Aa 7075	Dr. Senthil Kumar R	MECH	Journal For Basic Sciences			