

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING****List of Faculty Publications in National/International Journals**

Academic Year : 2024- 2025					
S. No	Name of the Authors	Title of the Paper	Source/Name of the Journal	Vol. No./Issue No./DOI	Indexing in SCI/Scopus
1.	Dr,T.Sripriya	A novel downlink frequency allocation technique for Enhanced throughput in 5G and beyond multi hop networks	IIETA	Vol 41/No.3/JUN E 2024/ <a href="https://doi.org/10.18280/ts.410323">https://doi.org/10.18280/ts.410323</a>	SCIE
2.	Dr,T.Sripriya	Theoretical analysis and comparative study of assorted diaphragm primarily based Micro Electro Mechanical System (MEMS) optical pressure sensors	ELSEVIER	245/2024/122 993 <a href="https://doi.org/10.1016/j.eswa.2023.122993">https://doi.org/10.1016/j.eswa.2023.122993</a>	WoS
3.	Dr,T.Sripriya	Efficient IOT based COVID patient healthcare control system using arduino with mobile app	ELSEVIER	33 (2024) 101161 <a href="https://doi.org/10.1016/j.meesen.2024.101161">https://doi.org/10.1016/j.meesen.2024.101161</a>	WoS
4	Dr,T.Sripriya	Miniaturized T and Inverted T Slotted Ultra Wide Band Antenna with Defected Ground (DG) System for 5G Communication	Journal of Nano and electronic physics	Vol. 16 No 3, 03008(7pp) (2024)	SCOPUS
5.	Dr,T.Sripriya	A new ECG segmentation for compression in e-health devices using wavelet transform and mathematical morphology	Inderscience Publishers	10.1504/IJCV R.2024.10067970	SCOPUS

6.	Dr.W.Nancy	Synchronization and chimeras in asymmetrically coupled meristem tabu learning neuron network	Applied mathematics and computation	489(2025)129 163	SCOPUS
7.	Dr.W.Nancy	Design of dielectric resonator loaded dual band microstrip antenna for 5G mm wave application	Journal of propulsion technology	Vol 45 No.1(2024)	SCIE
8.	Dr.W.Nancy	Developing an improvised deep learning algorithm for diagnosing glaucoma	ICTACT Journal on Image and Video Processing	10.21917/ijiip /20250507	SCOPUS
9.	Dr.M.Benisha	Low-Profile Tapered Slot Antenna for Wearable Military Applications	Journal of Nano and electronic physics	Vol. 17 No 3, 03017(4pp) (2025)	SCOPUS
10	Dr.M.Benisha	Design of a Compact Vivaldi Antenna for Wearable Tactical Applications	Journal of Nano and electronic physics	Vol. 17 No 3, 03016(4pp) (2025)	SCOPUS
.11	Dr.M.Benisha	Current modulation optical injection and feedback for semiconductor laser diode based on optical field rate and intensity rate equation model	Journal of Optics	<a href="https://doi.org/10.1007/s12596-024-02259-1">https://doi.org/10.1007/s12596-024-02259-1</a>	SCOPUS
12.	Mrs.M.Indumathi	Design and analysis of two element modified circular shaped MIMO antenna for 5G application	Journal of Nano and electronic physics	Vol. 16 No 3, 03010(5pp) (2024)	SCOPUS
13.	Ms.M.Bharathi	Brain tumour classification utilizing MRI images employing an auxiliary classifier based on generative adversarial networks	Journal of systems engineering and electronics	Vol 35/issue 1 2025	SCOPUS
14.	Ms.L.Hubert mary	High speed operation efficiency of doped light sources with the silica doped fibre channel for extended optical fibre system reach	DE-GRUYTER	<a href="https://www.degruyterbrill.com/document/doi/10.1515/joc-2024-0130/html">https://www.degruyterbrill.com/document/doi/10.1515/joc-2024-0130/html</a>	SCOPUS