

Department of Electronics and Communication Engineering

R & D and Consultancy Activities

Academic Year 2021-2022

Research Publications (Journals)

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN /ISS N Number	Vol/ Month	SCIE/ UGC/ Scopus	URL/DOI
1.	Venkata Lalitha Narla	BCH encoded robust and blind audio watermarking with tamper detection using hash	Multimedia Tools and Applications	1573-7721	80	SCIE	https://doi.org/10.1007/s11042-021-11370-5
2.	Dr. Vivek Rajpoot	Cross Layer Design Based Hybrid MAC protocol for Cognitive Radio Network	Physical Communications	1874-4907	February, 2022, Vol. 50	SCIE	https://doi.org/10.1016/j.phycom.2021.101524
3.	Dr. Vivek Rajpoot	Hybrid Common Control Channel based MAC Protocol with Proactive Handoff Scheme in Cognitive Radio Network	Wireless Personal Communication	0929-6212	September 2021, Vol.1 22	SCIE	https://doi.org/10.1007/s11277-021-09092-w
4.	Dr. Vivek Rajpoot	Wide Dual Band Asymmetrical I-Shape Rectangular Microstrip Patch Antenna for PCS/UMTS/WiMAX/IMT Applications	Wireless Personal Communication	0929-6212	August 2021	SCIE	https://doi.org/10.1007/s11277-021-08962-7

5.	Dr. Vivek Rajpoot	Filtering Antennas: A Technical Review	international Journal of RF and Microwave Computer-Aided Engineering		July 2021	SCIE	https://doi.org/10.1002/mmce
6.	Dr. A B Siddique	Excitation dependence and independence of photoluminescence in carbon dots and graphene quantum dots: Insights into the mechanism of emission	Nanoscale	2040-3372	Vol 13/ September, 2021	SCIE	doi.org/10.1039/D1NR04301C
7.	Dr. A B Siddique	Critical Investigation of Up-conversion and Dual Emission from Nitrogen Functionalized Graphene Quantum Dots	Elsevier: Journal of Luminescence	0022-2313	Volume 244, April 2022	SCIE	doi.org/10.1016/j.jlumin.2022.118763
8.	Dr. T.S. KARTHIK	Investigation on Dielectric Properties of Press Board Coated with Epoxy Resin, Quartz, and Rice Husk Ash	Advances in Materials Science & Engg. Journal under Processing & Applications of Adv. Functional Materials, Hindawi	1687-8442	17 June 2021	SCIE	https://doi.org/10.1155/2021/9839770
9.	Dr. T.S. KARTHIK	A Comparative Study on Crack-Healing Ability of Al ₂ O ₃ /SiC by Microwave Sintering and Conventional Electrical Sintering	Advances in Materials Science & Engg Journal under Processing and Applications of Adv. Functional Materials, Hindawi	1687-8442	22 June 2021	SCIE	https://doi.org/10.1155/2021/3170697
10.	Dr. T.S. KARTHIK	MHD Flow of Thermally Radiative Maxwell Fluid Past a Heated Stretching Sheet with Cattaneo-Christov Dual Diffusion	International Journal of Mathematics, Hindawi	2314-4785	22 June 2021	SCIE	https://doi.org/10.1155/2021/3170697

11.	Dr. T.S. KARTHIK	Zero and Nonzero Mass Flux Effects of Bioconvective viscoelastic nanofluid over a 3-D Riga Surface with the swimming of gyrotactic microorganisms	International Journal of Advances in Mathematical Physics, Hindawi,	1687-9139	16 July 2021	SCIE	https://doi.org/10.1155/2021/9914134
12.	Dr. T.S. KARTHIK	Sustainable Energy Harvesting for Self-Powered Micro/Nanosystems Enabled by Nanotechnology	International Journal of Nuclear Energy Science & Power Generation Technology	2325-9809	15 Sept 2021	SCOPUS	https://www.scitechnol.com/peer-review/
13.	Dr. T.S. KARTHIK	Microstrip Patch Antenna for PCs & Wireless Networks	International Journal of Nuclear Energy Science & Power Generation Technology	2325-9809	22 Sept 2021	SCOPUS	https://www.scitechnol.com/peer-review/
14.	Dr. T.S. KARTHIK	Improvements in the performance of the Base station due to the use of MIMO in a Mobile Communication System	International Journal of Nuclear Energy Science & Power Generation Technology	2325-9809	22 Sept 2021	SCOPUS	https://www.scitechnol.com/peer-review/
15.	Dr. T.S. KARTHIK	Implementing an Effective and Secure Resource Architecture for VLSI Block Encryption	International Journal of Nuclear Energy Science & Power Generation Technology	2325-9809	22 Sept 2021	SCOPUS	https://www.scitechnol.com/peer-review/
16.	Dr. T.S. KARTHIK	Evaluate and Design the Mini-Hexagon Shaped Monopole Antenna Controller to Minimize Losses in the Unit	International Journal of Nuclear Energy Science & Power Generation Technology	2325-9809	22 Sept 2021	SCOPUS	https://www.scitechnol.com/peer-review/

17.	Dr. T.S. KARTHIK	The Transmission of Narrowband & Wideband & Data communication via Low-Voltage Power lines Optimization	International Journal of Nuclear Energy Science & Power Generation Technology	2325- 9809	22 Sept 2021	SCOP US	https://w ww.scite chnol.co m/peer- review/
18.	Mr. G A Arunkumar	Novel optimized low power design of single-precision floating-point adder using Quantum-dot Cellular Automata	Journal of Supercomputi ng	0920- 8542	11- Oct- 2021	SCI	https://do i.org/10. 1007/s11 227-021- 04089-5
19.	Mr. G A Arunkumar	"STQCA-FFT: A fast fourier transform architecture using stack-type QCA	Journal of computational science	1877- 7503	Feb 2022	SCI	https://do i.org/10. 1016/j.jo cs.2022.1 01594

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

STUDENT JOURNAL PUBLICATIONS

2021-22

S.no	Name of Authors	Name of Faculty Authors	Title of Paper	Name of Journal	Details of Proceedings/Journal	Year of Publication	ISSN No	DOI
1	Kranthi Kumar Masanipalli, Tamalampudi Deepak Reddy, Rohini Pedapalli, Sindhu Chundru,	A Rama Vasantha	An extensive survey on finger and palm vein recognition system	Materials Today: Proceedings 4 5	pp 1804-1808	2021		https://doi.org/10.1016/j.matpr.2020.08.742
2	Veerendra, G., R. Swaroop, D. S. Dattu	Ch Aruna Jyothi	Detecting plant Diseases, quantifying and classifying digital image processing techniques	Materials Today: Proceedings Volume 51, Part 1	Pages 837-841	2022		https://doi.org/10.1016/j.matpr.2021.06.271
3	V Kanchana	J Surendranadh	A study of internet of things oriented smart medical systems	Materials Today: Proceedings Volume 51, Part 1	Pages 961-964	2022		https://doi.org/10.1016/j.matpr.2021.06.363
4	Pusala Sita Devi	Venkata Lalitha Narla	Shallow Water Image Enhancement for Autonomous Underwater Vehicles using Image Processing algorithms Implementation on Raspberry-Pi	Journal of Engineering Sciences	Vol.13, No.06, 2022	2022	ISSN NO:0377-9254	https://jespublication.com/upload/2022-V13I6073.pdf