

Research Paper Published in Journals during the AY 2020-2021

Sl. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number
1	Experimental investigation on tensile properties of the polymer and composite specimens printed in a Triangular pattern	Sourabh Tandon, Ruchin Kacker, K.G. Sudhakar	MECH	Journal of Manufacturing Processes	2020-2021	1526-6125
2	PERFORMANCE OF THREE DIMENSIONAL IMAGE PROCESSING METHOD BASED ON DATA LAYERING NORMALIZATION USING TENSORFLOW	Mahendra Kumar B, Rambabu Arjunarao Vatti, Dr.K.A.Ansal, Akula Chandra Sekhar	ECE	JOURNAL OF CRITICAL REVIEWS	2020-2021	2394-5125
3	EDGE INTELLIGENCE FOR PREDICTING AND DETECTING CARDIAC PATHOLOGIES BY ANALYZING STRESS AND ANXIETY	Rambabu Arjunarao Vatti, K.Vinoth, Yerram Sneha	ECE	JOURNAL OF CRITICAL REVIEWS	2020-2021	2394-5125
4	Clustering Based Customer Segmentation Using Automatic Billing System for Smart Shopping	Saurabh Sharma, Vishal Paranjape, Dr.Neel Nihalani, Dr.Anil Kumar Sahu, Dr.Harish K Shakra	ECE	Solid State Technology	2020-2021	0038-111x
5	IOT Enabled Entry in COVID Situation for Corporate Environments	Dr. Anil Kumar Sahu	ECE	Lecture Notes on Data Engineering and Communications Technologies (Book Series)	2020-2021	2367-4512
6	Comparative Analysis of Conventional PID Tuning Techniques for Single Link Robotic Arm	Dr. Anil Kumar Sahu	ECE	Solid State Technology	2020-2021	0038-111x
7	IMPROVING SPECTRAL EFFICIENCY AND COVERAGE CAPACITY OF 5G NETWORKS: A REVIEW	L. Bhagyalakshmi, S. Kumar Suman, S. Mohanalakshmi and S. Singh	ECE	Adv. Math. Sci. J.	2020-2021	1857-8365
8	A Secure Routing Protocol for MANET using Neighbor Node Discovery and Multi Detection Routing Protocol	TV Suresh	ECE	SSRG International Journal of Engineering Trends and Technology	2020-2021	2231-5381
9	Improved Coverage and Connectivity Control Algorithm for Mobile Wireless Sensor Network	Prashant Kulkarni	ECE	Solid State Technology	2020-2021	0038-111x
10	A Cluster based Routing Protocol for MANET using Mahalanobis Distance based Clustering and Gravitational Search Algorithm	TV Suresh	ECE	International Journal of Advanced Trends in Computer Science and Engineering	2020-2021	2278-3091
11	Performance and Estimation Error Analysis for L-TAS/SC Receiver over KG Fading Channels.	K.S. Balamurugan	ECE	Lecture Notes on Data Engineering and Communications Technologies (Book Chapter)	2020-2021	2005-4238
12	A Novel Proficient Secure Routing Strategy In Mobile Ad Hoc Frame Using Heuristic-Based Load Balancing Protocol	TV Suresh	ECE	Solid State Technology	2020-2021	0038-111x
13	An Efficient CTDSM Based On GM-C Quantizer and Improved Dynamic Element Matching	Anil Kumar Sahu, Vivek Kumar Chandra, G R Sinha, Neeraj Kumar Misra	ECE	IET Circuits Devices & Systems	2020-2021	1751-858X
14	EDGE INTELLIGENCE FOR PREDICTING AND DETECTING CARDIAC PATHOLOGIES BY ANALYZING STRESS AND ANXIETY	Rambabu Arjunarao Vatti, K.Vinoth, Yerram Sneha	ECE	JOURNAL OF CRITICAL REVIEWS	2020-2021	2394-5125
15	IMPROVING SPECTRAL EFFICIENCY AND COVERAGE CAPACITY OF 5G NETWORKS: A REVIEW	L. Bhagyalakshmi, S. Kumar Suman, S. Mohanalakshmi and S. Singh	ECE	Adv. Math. Sci. J.	2020-2021	1857-8365
16	Efficient CTDSM based on GM-C quantiser and improved dynamic element matching	Anil Kumar Sahu, Vivek Kumar Chandra, G R Sinha, Neeraj Kumar Misra	ECE	IET Circuits Devices & Systems	2020-2021	ISSN / eISSN: 1751-858X / 1751-8598

17	Convolution Neural Network Method For FECG Extraction Using 1-D	Dr. Amit Agrawal	ECE	Solid State Technology	2020-2021	0038-111x
18	Adaptive Hybrid Approach in Energy Harvesting in Radio Frequency on Target Coverage in IOT	Dr. Amit Agrawal	ECE	The International journal of analytical and experimental modal analysis	2020-2021	0886-9367
19	Dynamic Automobile Assembly Process using IOT	I. RAVI KUMAR	ECE	Turkish Journal of Computer and Mathematics Education	2020-2021	ISSN / eISSN: 0353-3670 / 2217-5997
20	Forced Stack Sleep Transistor (Fortran): A New Leakage Current Reduction Approach In CMOS Based Circuit Designing	Dr. Neeraj Mishra	ECE	Facta Universitatis, Series: Electronics and Energetics	2020-2021	ISSN / eISSN: 0353-3670 / 2217-5997
21	Various OLAP Technologies and their Impact on Decision Making	Dr Rajeev Shrivastava	ECE	(SSRN - Elsevier) Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2021	2020-2021	Series ISSN: 2194-5357 Series E-ISSN 2194-5365
22	Design of Monitoring Smart Roads with Warning Messages to Diversions according to Climate conditions as well as unexpected Events like Accidents or Traffic Jams	Dr Rajeev Shrivastava	ECE	(SSRN - Elsevier) Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2021	2020-2021	Series ISSN: 2194-5357 Series E-ISSN 2194-5365
23	A General Evaluation of Dermis Sores Identification using MORWAVELET Transforms	Dr Rajeev Shrivastava	ECE	Turkish Journal of Computer and Mathematics Education	2020-2021	e-ISSN 1309-4653
24	A Real-time Implementation for the Speech Steganography using Short-Time Fourier Transform for Secured Mobile Communication	Dr Rajeev Shrivastava	ECE	Turkish Journal of Computer and Mathematics Education	2020-2021	e-ISSN 1309-4653
25	Study of Memory Cell Architectures in QCA Technology	Dr. Anil Kumar Sahu	ECE	Turkish Journal of Computer and Mathematics Education	2020-2021	e-ISSN 1309-4653
26	Proximity-Coupled High Gain Graphene Patch Antenna using Hole Dielectric Superstrate for Terahertz Applications	Dr. Ritesh	ECE	Optik, Elsevier	2020-2021	ISSN: 0030-4026
27	Investigation and Design of Microstrip Patch Antenna employed on PCs Substrates in THz regime	Dr. Ritesh	ECE	Australian Journal of Electrical and Electronics Engineering, Taylors	2020-2021	ISSN: 2205-362X,
28	Comparison and Analysis of Sub-optimal performance of OFDM/SDMA uplink System that use Conventional Multiuser Detection Techniques	Dr. Anirban	ECE	Turkish Journal of Computer and Mathematics Education	2020-2021	e-ISSN 1309-4653
29	A New Ken-Ken Puzzle Pattern Based Reconfiguration Technique for Maximum Power Extraction in Partial Shaded Solar PV Array	Balachandran Praveen Kumar	EEE	IEEE Access	2020-2021	2169-3536
30	Intelligent Starting Current-Based Fault Identification of an Induction Motor Operating under Various Power Quality Issues	Balachandran Praveen Kumar	EEE	Energies	2020-2021	1996-1073
31	Neural network based MPPT control with reconfigured quadratic boost converter for fuel cell application	Krishnamoorthy Murugaperumal	EEE	International Journal of Hydrogen Energy	2020-2021	0360-3199
32	Optimal Sizing, Selection, and Techno-Economic Analysis of Battery Storage for PV/BG-based Hybrid Rural Electrification System	Balachandran Praveen Kumar	EEE	IETE Journal of Research	2020-2021	0377-2063
33	Optimal Sizing, Selection, and Techno-Economic Analysis of Battery Storage for PV/BG-based Hybrid Rural Electrification System	Krishnamoorthy Murugaperumal	EEE	IETE Journal of Research	2020-2021	0377-2063
34	Techno economic performance analysis of hybrid renewable electrification system for remote villages of India	Krishnamoorthy Murugaperumal	EEE	International Transactions on Electrical Energy Systems	2020-2021	2050-7038
35	Development of PANI based ternary nanocomposite with enhanced capacity retention for high performance supercapacitor application	Akshaya Raghavan, Suprabhat Sarkar, Sutapa Ghosh	Chemistry	Electrochimica Acta	2020-2021	0013-4686
36	Non-covalent Interactions Directed Rearrangement of Lactones to Pyrones: A Computational Study on the Mechanistic Insights of Solvent Assisted Gold(I) Catalyzed Reactions	G Gayatri	Chemistry	JOURNAL OF SCIENTIFIC RESEARCH	2020-2021	2070-0237

37	THE UPPER BOUNDS OF ANNIHILATOR DOMINATION NUMBER OF ARITHMETIC GRAPHS	P. APARNA, K. V. SURYANARAYANA RAO, E. KESHAVA REDDY	Maths	Advances and Applications in Mathematical Science	2020-2021	0974-6803
38	Gas-phase basicity and proton affinity measurements of Alzheimer's disease drugs by the extended kinetic method and a theoretical investigation	Voleti Nagaveni, Rajendiran Karthikraj, Ramesh Kumar Chitumalla, Kotamarthi Bhanuprakash , Mariappandar Vairamani and Sripathi Prabhakar	Chemistry	European Journal of Mass Spectrometry	2020-2021	1469-0667
39	Detection of attacks in IOT sensors networks using machine learning algorithm	Bedi, P., Mewada, S., Vatti, M. Sikarwar	ECE	Microprocessors and Microsystems	2020-2021	0141-9331
40	Exergo-economic environmental analysis of organic Rankine cycle	Sharma, M. Husain, D.	ECE	Materials Today:Proceedings	2020-2021	2214-7853
41	Design integration and analysis of nose dome for application of external pressure	Anil Kumar Reddy, C. Kasivaraprasada Rao, T. Joshi, M.	ECE	Materials Today:Proceedings	2020-2021	2214-7853
42	Application of Taguchi arrays using DOE for optimizing processing and understanding sputtered coated ZnO TFTs	D. Kumar, T. Gomes, N. K. Misra, A.K. Sahu, J. Kettle	ECE	Materials Today: Proceedings	2020-2021	2214-7853
43	Custom IP Design for Fault-Tolerant Digital Filters for High-Speed Imaging Devices	Malipatil, S. Gour, A. Maheshwari, V.	ECE	Lecture Notes in Networks and Systems	2020-2021	2367-3389
44	IDS detection based on optimization based on WI-CS and GNN algorithm in SCADA network	Shitharth, S. Satheesh, N. Kumar, B.P. Sangeetha, K.	EEE	Lecture Notes in Networks and Systems	2020-2021	2367-3389
45	A systematic review on the identification and diagnosis of clinical characteristics of covid-19 patients	Phogat, P. Chaudhary, R.	CSE	CEUR Workshop Proceedings	2020-2021	1613-0073
46	CURE: An effective covid-19 remedies based on machine learning prediction models	Phogat, P. Chaudhary, R.	CSE	CEUR Workshop Proceedings	2020-2021	1613-0073
47	Terahertz IMPATT Sources Based on Silicon Carbide	Mukhopadhyay, S.J. Kanungo, S. Maheshwari, V. Mitra, M.	ECE	Lecture Notes in Electrical Engineering	2020-2021	1876-1119
48	Gain enhancement by utilizing hexagonal reflector based optimized textile antenna	Vatti, R.A. Arthi, B. Kumar, P. Prabha, R.	ECE	Journal of Ambient Intelligence and Humanized Computing	2020-2021	1868-5137
49	Use of Chemical Scrubbing Method to Minimise the Pollutants	Singh, J. Popli, D. Nailwal, H. Himanshu	ME	Lecture Notes in Mechanical Engineering	2020-2021	2195-4364
50	Customer support chatbot using machine learning	Madana Mohana, R. Pitty, N. Lalitha Surya Kumari, P.	CSE	Advances in Intelligent Systems and Computing	2020-2021	2194-5365
51	Optimal placement of PMU for complete observability of the interconnected power network considering zero-injection bus: A numerical approach	Mr. Rohit Babu	EEE	International Journal of Applied Power Engineering (IIAPE)	2020-2021	2722-2624
52	A Novel Control Strategy for a Variable Speed Wind Turbine with a Permanent Magnet Synchronous Generator	T. Sukanth	EEE	Journal of Interdisciplinary Cycle Research	2020-2021	0022-1945
53	Improvement of Power Quality by Multi-Level inverter Based UPQC Using Pi & Fuzzy controllers	T. Sukanth	EEE	Journal of Engineering System	2020-2021	0377-9254
54	Forced Stack Sleep Transistor (Fortran): A New Leakage Current Reduction Approach In CMOS Based Circuit Designing	Dr. Neeraj Mishra	ECE	Facta Universitatis, Series: Electronics and Energetics	2021-2022	ISSN / eISSN: 0353-3670 / 2217-5997