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List of publication during A.Y 2021-22

S. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number	listed in
1	Nanosheet field effect transistors-A next generation device to keep Moore's law alive: An intensive study	P.Murugapandiyan	ECE	Microelectronics Journal	2022	0026-2692	SCIE
2	Influence of AlN passivation on thermal performance of AlGaIn/GaN high-electron mobility transistors on sapphire substrate: A simulation study	P.Murugapandiyan	ECE	Materials Science and Engineering: B	2022	0921-5107	SCIE
3	60 GHz Double Deck T-Gate AlN/GaN/AlGaIn HEMT for V-Band Satellites	P.Murugapandiyan	ECE	Silicon	2022	1876-990X	SCIE
4	A 28-GHz Low-Loss AlGaIn/GaN HEMT for TX/RX Switches in 5G Base Stations	P.Murugapandiyan	ECE	Journal of Electronic Materials	2022	0361-5235	SCIE
5	Influence of High-k Passivation Layer on Gate Field Plate AlGaIn/GaN/AlGaIn Double Heterojunction HEMT	P.Murugapandiyan	ECE	Silicon	2022	1876-990X	SCIE
6	UWBG AlN/ β -Ga ₂ O ₃ HEMT on Silicon Carbide Substrate for Low Loss Portable Power Converters and RF Applications	P.Murugapandiyan	ECE	Silicon	2022	1876-990X	SCIE
7	Influence of AlN passivation on thermal performance of AlGaIn/GaN high-electron mobility transistors on sapphire substrate: A simulation study	N.Ramkumar	ECE	Materials Science and Engineering: B	2022	0921-5107	SCIE

8	Influence of High-k Passivation Layer on Gate Field Plate AlGaIn/GaN/AlGaIn Double Heterojunction HEMT	N.Ramkumar	ECE	Silicon	2022	1876-990X	SCIE
9	A 28-GHz Low-Loss AlGaIn/GaN HEMT for TX/RX Switches in 5G Base Stations	N.Ramkumar	ECE	Journal of Electronic Materials	2022	0361-5235	SCIE
10	Enhancement in performance of DHTprecoding over WHT for EC companded OFDM in wireless networks	A.Lakshmi Narayana	ECE	Applied Nanoscience	2022	2190-5509	SCIE
11	Pixel density based trimmed median filter for removal of noise from surface image	J Bhaskara rao	ECE	Springer Applied Nanoscience	2022	2190-5509	SCIE
12	Design of 4-bit ALU using sub-threshold adiabatic logic (SAL)	G Manmadha Rao	ECE	Indian Academy of Sciences, Sādhanā	2022	0973-7677	SCIE
13	An effective combination of terahertz band NOMA and MIMO system for power efficiency enhancement	B.Somasekhar	ECE	International Journal of Communication Systems (Wiley)	2022	44652	SCI
14	Influence Analysis of Back-Barrier and AlN Substrate on the High-Temperature Performance of an E-Mode Mg-Doped In _{0.2} Ga _{0.8} N Capped Gate High Electron Mobility Transistor for High-Power Switching Applications: A Simulation Study	P.Murugapandiyan	ECE	Journal of Electronic Materials	2022	0361-5235	SCIE
15	Ultrawide Bandgap AlGaIn-Channel-Based HEMTs for Next-Generation Electronics. In: Lenka, T.R., Nguyen, H.P.T. (eds) HEMT Technology and Applications	P.Murugapandiyan	ECE	Springer Tracts in Electrical and Electronics Engineering. Springer.	2022	0361-5235	SCIE
16	Fusion of SAR and Optical images for remote sensing applications	D.Nagamani	ECE	International Journal of Modern Trends in Science and Technology	2022	2455-3778	UGC
17	Vehicle Theft detection and secure system using Arduino	ANIL PRASAD DADI	ECE	International Journal of Scientific Research in Engineering and Management	2022	2582-3930	UGC
18	"Investigation of thermal neutron detection efficiency of Boron Carbide converter material using GEANT4 simulation for different types of detector configurations"	Dr. G. Prasanna	ECE	Journal of Instrumentation	2022	1748-0221	SCIE
19	IOT BASED ROBOTIC ARM FOR ASSISTING OLDER PEOPLE AND	Mr. Nitin Kumar	ECE	Journal of scientific research in engineering	2022	2582-3930	UGC

	SMART HOME AUTOMATION SYSTEM			& management			
20	Circularly Polarized MIMO Antenna For Wireless Applications	Mrs.Ch.Padmasree	ECE	Journal of Xidian University	2022	1001-2400	Scopus
21	AI Virtual Mouse and Keyboard Using Python and OpenCV to abate the spread of COVID- 19	Mrs.Ch.Padmasree	ECE	Journal of Xidian University	2022	1001-2400	Scopus
22	Enhanced Drain current and Cut off Frequency in AlGaIn/GaN HEMT with BGaN Back Barrier	Mr.N.Ramkumar	ECE	Materials Science and Engineering: B	2022	0921-5107	ESCI
23	Ultra-wide bandgap Al _{0.1} Ga _{0.9} N double channel HEMT for RF applications.	Dr.P.Murugapandian	ECE	International Journal of RF and Microwave Computer-Aided Engineering	2022	1099-047X	ESCI
24	SIMULATION AND OPTIMIZATION OF NATURAL GAS PROCESSING PLANT USING ASPEN-HYSYS	Koteswara Rao Maradana	Chemical Engg.	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	UGC
25	Alkaline Extraction of Silica from Agricultural Waste of Rice Husk	Harika Sunkara	Chemical Engg.	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC
26	Alkaline Extraction of Silica from Agricultural Waste of Rice Husk	C.M. Kaniganti	Chemical Engg.	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC
27	Effect of Morphology, Crystallinity size and optical band gap on photo catalytic activity of ZnO nano structures for decolorization of R6G	Dr.S.Siva Kumar	Chemistry	materials today: proceedings	2022	2214-7853	Scopus
28	Provably secure blockchain privacy-preserving smart contract centric dynamic group key agreement for large WSN	Prof. R. Sivarajani	CSE	The Journal of Supercomputing	2022	0920-8542	SCIE
29	Evaluation of Descriptive Exam Answer Scripts using Word Mover's Distance	Dr. M. Ramakrishna Murthy	CSE	Journal of Scientific & Industrial Research	2022	0975-1084	SCIE
30	Crime data optimization using neutrosophic logic based game theory	Prof. R. Sivarajani	CSE	Concurrency Computation Practice and Experience	2022	1532-0634	SCI

31	Feature Selection and Extraction using Decomposition Techniques in Biometric Authentication	Dr. P E S N Krishna Prasad	CSE	Journal of Theoretical and Applied Information Technology	2022	1992-8645	Scopus
32	Semi-Supervised Human Action Recognition Using Clustering and SVM Classifier	G Gowri pushpa	CSE	POSITIF JOURNAL	2022	0048-4911	Scopus
33	REAL TIME FACEMASK DETECTION AND THERMAL SCREENING USING IOT	G Gayathri	CSE	Mukt Shabd	2022	2347-3150	UGC
34	FACE RECOGNITION BASED ATTENDANCE SYSTEM	G Gayathri	CSE	Mukt Shabd	2022	2347-3150	UGC
35	Speech Emotion Recognition Using Neural Networks	Ms. A.Yasaswi	CSE	Positif Journal	2022	0048-4911	Scopus
36	Identification of Fresh Fruits and Rotten Fruits Using Deep Learning	P Spandana Valli	CSE	Positif Journal	2022	0048-4911	Scopus
37	Obstacle Detection & Avoidance in Self Driving Cars	Mrs.B.Siva Jyothi	CSE	IJCRT	2022	2320-2882	UGC
38	A Novel Algorithm for Foreground Moving Object Detection	Dr. M. Ramakrishna Murty	CSE	Mathematical Statistician and Engineering Applications	2022	2094-0343	Scopus
39	A Survey on Anomaly Detection in Internet of Things (IOT) Applications	N.Lokeswari	CSE	GIS SCIENCE JOURNAL	2022	1869-9391	Scopus
40	Review: Heart Diseases Detection by Machine Learning Classification Algorithms	Dr.V.Sangeeta	CSE	Journal of Harbin Institute of Technology (New Series)	2022	1005-9113	Scopus
41	Energy Efficient Photovoltaic-Electric Spring for Real and Reactive Power Control in Demand-Side Management	Prof. J. Vijaya Kumar	EEE	Frontiers in Energy Research, Smart Grids	2022	2296-598X	Scopus
42	Design of Back-to-Back converter interface for Electric Spring in a Distribution System	Prof. J. Vijaya Kumar	EEE	Frontiers in Energy Research, Smart Grids	2022	2296-598X	Scopus
43	A Unified Control and Power Management Scheme for PV-Battery based Micro Grid in Islanded Mode	Mrs.K.Lavanya	EEE	International Journal of Advanced in Management, Technology and Engineering Sciences	2022	2249-7455	UGC

44	A Unified Control and Power Management Scheme for PV-Battery based Micro Grid in Islanded Mode	Mrs.V. Rangavalli	EEE	International Journal of Advanced in Management, Technology and Engineering Sciences	2022	2249-7455	UGC
45	A New Multi-Output DC-DC Converter for Electric Vehicle Application	M. Dhananjaya	EEE	IEEE Access	2022	2169-3536	SCIE
46	A new algorithm for harmonic impacts with renewable DG and non-linear loads in smart distribution networks	Dr. R. Satish	EEE	Technology and Economics of Smart Grids and Sustainable Energy, Springer	2022	2199-4706	SCIE
47	Single phase universal power compensator with an equal var sharing approach	Dr. R. Satish	EEE	Energies	2022	1996-1073	SCIE
48	Single phase universal power compensator with an equal var sharing approach	Dr. S. Balamurali	EEE	Energies	2022	1996-1073	SCIE
49	Single Phase Multi-level inverter with Pulse width Modulation technique	N.Kiran	EEE	International Journal of Management, Technology And Engineering	2022	2249-7455	UGC
50	Single Phase Multi-level inverter with Pulse width Modulation technique	D. Sri Lakshmi	EEE	International Journal of Management, Technology And Engineering	2022	2249-7455	UGC
51	Single Phase Multi-level inverter with Pulse width Modulation technique	K. Trinadh Babu	EEE	International Journal of Management, Technology And Engineering	2022	2249-7455	UGC
52	Fault Rectification in Grid Connected PV System for Maximum Power Point Tracking Using IT-SMC	Dr. Ch.V.N. Raja	EEE	GIS. Science	2022	1869-9391	Scopus
53	DEVELOPMENT OF ALGORITHM FOR THE ORDER REDUCTION OF HIGH ORDER DYNAMIC SYSTEMS ADOPTING AFFINE ARITHMETICS	Dr. T Narasimhulu	EEE	JOURNAL OF HARBIN INSTITUTE OF TECHNOLOGY	2022	0367-6234	Scopus
54	Indian Diasporic Literature in English	Dr. Md. Sabirunnisa Gouse	English and Humanities	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	UGC

55	A Study of Women Characters in the Select Novels of Salman Rushdie	Dr. Abhibunnisha Begum	English and Humanities	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	UGC
56	Multicultural Diaspora: Examining Cross-cultural Consciousness and Multicultural Adaptations in Bharati Mukherjee's Jasmine	Dr. G. Serwani Swamy	English and Humanities	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	UGC
57	Vara Vara Rao's prison poesy:the winds and liberty	Dr. N. Satyanarayna	English and Humanities	Journal of Emerging Technologies and Innovative Research	2022	2349-5162	UGC
58	MVPO Predictor: Deep Learning-Based Tumor Classification and Survival Prediction of Brain Tumor Patients with MRI Using Multi-Verse Political Optimizer	Dr.A.Anupama	IT	International Journal of Pattern Recognition and Artificial Intelligence	2022	2180-014	Scopus
59	Intelligent Identification of Liver Diseases (IILD) based on Incremental Hidden Layer Neurons ANN Model	Dr. Ram Prasad Reddy Sadi	IT	International Journal of Computing and Digital Systems	2022	2210-142X	Scopus
60	Synthetic Data Generation of Patients using GANs	Dr. Ram Prasad Reddy Sadi	IT	International Journal of Advanced in Management, Technology and Engineering Sciences	2022	2249-7455	UGC
61	ONLINE VOTING SYSTEM USING FACE RECOGNITION	Mr. A.Durga Praveen	IT	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC
62	GESTURE INTERPRETER	Mr.D.Satya Prasad	IT	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC
63	Crop and Fertilizer Recommendation	Mrs.J.S.V.hari Priyanka	IT	International Journal of Advanced in management, technology and Engineering Sciences	2022	2249-7455	UGC
64	Web Application for Visualization of student data Analysis	Prof. P.Padmaja	IT	International Journal of Advanced in management, technology and Engineering Sciences	2022	2249-7455	UGC
65	Customer Purchase Prediction Using Linear Regression	J.S.V.S. Hari Priyanka	IT	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC

66	MOBILE SELF ENCRYPTOR USING AES	Mr.G.Pandit Samuel	IT	International Journal of Research and Analytical Reviews	2022	2348-1269	UGC
67	Recognizing Emotion From EEG Signals Using LSTM	Mrs. A.Surekha	IT	International Journal of Advanced in management, technology and Engineering Sciences	2022	2249-7455	UGC
68	An Unique Optimal Solution for Type-III Triangular Instutionstic Fuzzy Transormation Issue	Mrs. Ch. Uma Swetha	MATHEMATICS	Releability Theory of Applications	2022	1932-2321	Scopus
69	Eco-friendly machining of Ti-6Al-4V ally: optimization using a hybrid algorithm (Grey wolf algorithm and VIKOR algorithm)	R.D.V. Prasad	Mechanical	J.Inst. Eng. India Ser.C	2022	2250-0553	SCI
70	Effect of various parameters on sol-air temperature	VR.Lenin	Mechanical	international journal of mechanical engineering	2022	0974-5823	Scopus
71	elemental, thermal and physicochemical investigation of novel biodiesel from wodyetia bifurcata and its properties optimization using artificial neural network (ANN)	K.Satyanarayana	Mechanical	Automotive experiences	2022	2615-6202	Scopus
72	Design and performanc analysis of compressed air adsorption dryer with heatless regeneration mode	VR Lenin	Mechanical	heat and mass transfer	2022	1432-1181	Scopus
73	Application of VIKOR method for optimizing welding parameters of pulsed current micro plasma arc welded thin sheets of AISI 904L steel	M.Sailaja	Mechanical	International journal of mechanical engineering	2022	0974-5823	Scopus
74	Welding parameter optimization of AISi 904L thin sheets using pulsed current micro plasma arc welding by PROMETHEE-II	M.Sailaja	Mechanical	International journal of mechanical engineering	2022	0974-5823	Scopus
75	Structural, dielectric and magnetic properties of Nickel-Chromium substituted Magnesium ferrites, $Mg_{1-x}Ni_xFe_2-xCr_xO_4$ ($0 \leq x \leq 0.7$)	Dr.Y.BheemShankar Rao	Physics	Inorganic Chemistry Communications	2022	1387-7003	Scopus
76	Spontaneous polarization and DC resistivity investigations in Ba Sr Er Na Li Nb O tungsten bronzestuctured nano- phased relaxor ferroelectrics	Dr.P.Viswarupachary	Physics	Ferroelectrics	2021	0015-0193	Scopus

77	Enhancement of surface quality of DMLS aluminium alloy using RSM optimization and ANN modelling	APSVR Subrahmanyam	Mechanical	Journal of mechanical engineering	2021	1823-5514	Scopus
78	Enhancement of surface quality of DMLS aluminium alloy using RSM optimization and ANN modelling	K.Siva prasad	Mechanical	Journal of mechanical engineering	2021	1823-5514	Scopus
79	Development of an artificial grey fuzzy inference system to optimize hole quality and tool performance in drilling	SS. Ravi kiran	Mechanical	international journal of engineering trends and technology	2021	2231-5381	Scopus
80	Effect of TIG and FSW welding processes on mechanical properties of Al-4.2Mg-0.6Mn-0.4Sc-0.1Zr alloy	Srinivasa Rao Mallipudi	Mechanical	Journal of mechanical engineering	2021	2450-5471	Scopus
81	Ranking parametric form of fuzzy numbers by defuzzification based on centroids value and ambiguity	Mr. B. Devaki Rani	MATHEMATICS	Journal of Intelligent & Fuzzy Systems	2021	1064-1246	Scopus
82	Influence of the oxide layer on the quality of bonding in adhesively bonded metallic structures by ultrasonic guided waves	Mr. S. Anand Kumar	MATHEMATICS	International Journal of Adhesion and Adhesives	2021	0143-7496	Scopus
83	Sentiment analysis of scrapped tweets	Dr. P.Padmaja	IT	International Journal of Advanced in Management, Technology and Engineering Sciences	2021	2249-7455	UGC
84	Smart Attendance system though AI	Dr. P.Padmaja	IT	International Journal of Advanced in Management, Technology and Engineering Sciences	2021	2249-7455	UGC
85	Handling Imbalanced Data with Machine Learning Algorithms	Dr.M.Rekha Sundari	IT	International Journal of Advanced in Management, Technology and Engineering Sciences	2021	2249-7455	UGC
86	Design and Implementation of a New Inverter Topology with Reduced THD and Part Count	M. Dhananjaya	EEE	International Journal of System Assurance Engineering and Management-Springer	2021	0976-4348	SCIE

87	Ahmad Taher Azar Two-Degree-of-Freedom Tilt Integral Derivative Controller based Firefly Optimization for Automatic Generation Control of Restructured Power System	M. Dhananjaya	EEE	International Journal of Computer Applications in Technology (Inderscience)	2021	1741-5047	SCIE
88	Integrated multi-input DC-DC converter with reduced switches	M. Dhananjaya	EEE	International Transactions on Electrical Energy Systems-Wiley	2021	2050-7038	SCIE
89	A Novel Three-Phase Power Flow Algorithm for the Evaluation of the Impact of Renewable Energy Sources and D-STATCOM Devices on Unbalanced Radial Distribution Networks	Dr. R. Satish	EEE	Energies	2021	1996-1073	SCIE
90	A Novel Three-Phase Harmonic Power Flow Algorithm for Unbalanced Radial Distribution Networks with the Presence of D-STATCOM Devices	Dr. R. Satish	EEE	Electronics	2021	2079-9292	SCIE
91	Implementation of Unified Power Quality Conditioner Based on Variable Phase Angle Control Method	Dr. G. Raja Rao	EEE	Innovative Systems Design and Engineering	2021	2222-2871	SCIE
92	Implementation of Unified Power Quality Conditioner Based on Variable Phase Angle Control Method	Mr. L. Dinesh	EEE	Innovative Systems Design and Engineering	2021	2222-2871	SCIE
93	A provably secure sharding based blockchain smart contract centric hierarchical group key agreement for large wireless ad-hoc networks	Prof. R. Sivaranjani	CSE	Concurrency Computation Practice and Experience	2021	1532-0634	SCIE
94	Seizure Prediction Based on Convolution Neural Network with Subnet Loss Function	Dr. M. Ramakrishna Murty	CSE	International Journal of Intelligent Engineering & Systems	2021	2185-3118	Scopus
95	Personalized privacy assistant for digital voice assistants: Case study on Amazon Alexa	Dr. M. Ramakrishna Murty	CSE	International Journal of Knowledge-based and Intelligent Engineering Systems	2021	1327-2314	SCI
96	Velocity Adaptation based PSO for Localization in Wireless Sensor Networks	Pritee Parwekar	CSE	Evolutionary Intelligence	2021	1864-5909	Scopus