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List of publications during A.Y 2022-23

S.No	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number	volume and Issue	listed in
1	Effect of Cetyltrimethylammonium Bromide and Sodium Dodecyl Sulphate on Oxidation of Indigo Carmine with Potassium Peroxy Diphosphate: A Kinetic and Mechanistic Study	Dr.M.kalyana Chakravarthy, Dr.K.Ramakrishna	Chemistry	Asian Journal of Chemistry	2022	0975-427X	34(11),2994-3000	Scopus
2	Efficient adaptive enhanced adaboost based detection of spinal abnormalities by Machine learning approaches	P E S N Krishna Prasad	CSE	Biomedical Signal Processing and Control	2022	1746-8094	80 (2)	SCI
3	Investigation of Information gain and Chi test feature selection methods in dimensionality reduction using Machine Learning for drug discovery	Mamatha Vayelapelli	CSE	Journal of Pharmaceutical Negative Results	2022	2229-7723	472-479	Scopus
4	Deep Learned Singular Residual Network for Super Resolution Reconstruction	P. E. S. N. Krishna Prasad	CSE	Computer MAterials and Continua	2022		74(1), 1123-1137	SCI
5	Investigation of Information gain and Chi test feature selection methods in dimensionality reduction using Machine learning for drug discovery	D.ASWANI	CSE	Journal Of Pharmaceutical Negative Results	2022	2229-7723	13, 472-479	Scopus
6	Taylor Horse Head Optimized Deep Fuzzy Clustering and Laplace based K Nearest Neighbour	Dr.Sangeetha	CSE	Advances in Engineering Software	2022			SCI
7	Feature Extraction of Classification and Segmentation Methods applying in foregroung moving object detection with CCTV Footage using SOM Networks	Dr.M.Ramakrishna Murthy	CSE (AI &ML, DS)	Neuro Quantology	2022		20(10), 3360-3372	Scopus

8	A Novel Algorithm for Foregroound moving Object Detection	Dr.M.Ramakrishna Murthy	CSE (AI &ML, DS)	Mathematical statistician and engineering Applications (MSEA)	2022	2094-0343	71(3)	Scopus
9	A novel minimum generalized cross entropy-based multilevel segmentation technique for the brain MRI/dermoscopic images	Mr. B. Jena	ECE	Computers in Biology and Medicine	2022	0010-4825		SCI
10	GPS Receiver Position Estimation and DOP Analysis Using a New Form of the Observation Matrix Approximations	Dr. Ashok Kumar N	ECE	Journal of Sensors	2022	1687-725X		SCI E
11	Ameliorate the performance using soft computing approaches in wireless networks	D.Chandrika, Dr. Ravi Sankar Sangam	IT	International Journal of Electrical and Computer Engineering	2023	2088-8708	13(1)	Scopus
12	Five dimentional Kkaluza-Klein dark energy model with strings in Brans-Dickle theory of gravity	Dr.Suryanarayana	Mathematics	YMER	2022	0044-0477	21(10), 1037-1043	Scopus
13	Influence of Cooling Media on the Electrochemical Behavior of Friction Stir Processed Al2014 Alloy	Dr.MVNV. Satyanarayana	Mechanical	The Mineralls, metals and materials society	2022			SCIE
14	Microstructure, mechanical properties and corrosion behavior of friction stir processed AA2014 alloy	Dr.MVNV. Satyanarayana	Mechanical	Archives Of Civil And Mechanical Engineering	2022			SCIE
15	A new pairing-free certificatless signncryption scheme	Dr.Ramesh babu Amarapu	Mathematics	Journal of scientific and industrial research	2022	022-4456	81(12), 1326-1335	SCIE
16	A novel methodology to enhance the smooth running of the PM BLDC motor drive using PWM-PWM logic and advance angle method	Dr.S.Bala Murali	EEE	Machine	2022	11(41)		SCIE
17	Machine learning approach to improve data connectivity in text based personality prediction using data sources mapping	S. Joshua Johnson	CSE (AI &ML, DS)	Journal of scientific and industrial research	2023	82	0975-1084	SCIE

18	Idiosyncratic photoluminescence of europium addedsulfamic acidsingle crystal a potential NLO material for optoelectronics and devise applications	Dr.B. Brahmaji	Physics	Journal of Luminescence	2023	257, 119649-		SCIE
19	A Review on Laboratory Microwave Assisted Pyrolysis Instruments	Rachakonda Srikanth	Chemical Engineering	International Journal of All Research Education and Scientific Methods (IJARESM)	2022	2455-6211	10(9)	UGC
20	LDPE Degrading Ability of Riemerella Strain Isolated from the Garbage Dumping Sites of Visakhapatnam, India	Rachakonda Srikanth	Chemical Engineering	International Journal of Research - GRANTHAALAYAH	2022	2350-0530	10(10)	Others
21	Mechanical Characterisation of Al2O3/Mg Reinforced Aluminium based Metal Matrix Composites	Krishna Prafulla Badi	Mechanical	High Technology Letters	2023	1006-6748	28 & 9	Scopus
22	Design and Analysis of Two Pass Rolling	Kondapalli Siva Prasad	Mechanical	International Journal of Advanced Design and Manufacturing Technology	2022	2252-0406	15 & 4	Others
23	Design and Analysis of Wheel Rim	Kondapalli Siva Prasad	Mechanical	Trends in Mechanical Engineering & Technology	2023	2231-1793	12 & 3	Others
24	"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	Vol.17, Issue 7	SCIE
25	Design of compact ISM-band Microstrip slot antenna for wireless sensor nodes	Dr. T. Vidyavathi	ECE	Indian Journal of Science and technology	2022	0974-6846	Vol. 15	Scopus
26	A Survey On Identification Of Diabetic Retinopathy For Medical Diagnosis	Mrs.G.Indira Devi	ECE	Annals of Forest Research	2022		VOL 65, NO 1 1820-1839	Others

27	Trisula Slot on the effect of loading strip with printed half cut circular antenna recitation for TRI band pplications	B.Rama Devi	ECE	GIS SCIENCE JOURNAL	2022	1869-9391	Vol: 9, Issue 12, 2022	Others
28	Meta-heuristic-based FCM-UNet segmentation with multi-objective function and deep learning for brain tumour classification	M.A.Siva Kumar	ECE	Computer Methods In Biomechanics And Biomedical Engineering: Imaging & Visualization	2022	2168-1163	Volume 10 issue 4	Scopus
29	Peak Side Lobe Reduction analysis of NLFM and Improved NLFM Radar signal with Non-Uniform PRI	Ms.Ch.Anoosha	ECE	AIUB Journal of Science and Engineering (AJSE)	2022	1608-3679(print) ,2520-4890(onlin e)	Volume 21 Issue 2	Scopus
30	Ultra-wide bandgap Al0.1Ga0.9N double channel HEMT for RF applications	N.Ramkumar,Dr.P. Murugapandiyan	ECE	International Journal of RF and Microwave Computer-Aided Engineering	2022	1099-047X	Vol 32, issue:11, pp-e23360	SCI
31	A Compact Reconfigurable CPW-Fed Dual Band-notched UWB Antenna Using PIN Diodes	Dr.K.Sreelakshmi	ECE	Iranian Journal of Science and Technology, Transactions of Electrical Engineering.	2023	2364-1827		SCIE
32	A detailed insight of 2X2 high isolation wideband dual notched band MIMO antenna with evolution initiated by theory of characteristics mode	Dr. T. Vidyavathi	ECE	International journal of microwave and wireless technologies	2023	1759-0787	pp. 1-20	SCIE
33	Design and Analysis of nonagonal patch unite with rectangular shaped 4-element UWB-MIMO antenna for portable wireless device applications	Dr. T. Vidyavathi	ECE	Analog integrated circuits and signal processing	2023			SCI
34	Ameliorate the performance using soft computing approaches in wireless networks	D.Chandrika, Dr. Ravi Sankar Sangam	IT	International Journal of Electrical and	2023	2088-8708	Vol 13, No 1	Scopus

				Computer Engineering				
35	Implementation of Hidden Morkov Model(HMM) for Parts of Speech Tagging in Telugu Language	Dr. V. Suresh	IT	IERJ- International Education & Research Journal	2022	2454-9916	Vol.: 8,Issue : 5	UGC
36	Bayesian Selective median filtering for reduction of Impulse noise in Digital color Images	Dr.CH.DEMUDUN AIDU	IT	International Journal of Image and Graphics	2023	0219-4678	Vol:22 No:5	ESCI
37	Investigation of Information gain and Chi test feature selection methods in dimensionality reduction using Machine learning for drug discovery	U. Gautami	IT	Journal of Pharmaceutical Negative Results	2022	DOI:10.47 750/pnr.20 22.13.S01. 58	VOL. 13 SPECIAL ISSUE 01	Scopus
38	One pot synthesis of Thieno[2,3-b] quinoline derivatives using Magnetetically active CuO nano particles and investigation of their anti-malarial activities	S.Vara Satish	Chemistry	Research journal of Chemistry and environment	2023	2278- 4527	27(2), 81-90	Scopus
39	Chemical speciation of ternary complexes of L-aspartici acid and ethylene di ammine with Co(II), Ni(II) and Cu(II)in low dielectric media	Dr.R.Swaroopa Rani	Chemistry	International Education and research Journal	2022	2454-9916	8(7), 33-35	Others
40	Micellar effects of cetyl trimethyl ammonium bromide and sodium dodecyl sulphate on kinetics and machensim of oxidaation of indigo caramine with sodium meta periodate	Dr. M.Kalyana Chakravarthy	Chemistry	Dickensian journal	2022	0012-2440	22(7), 604-607	Others
41	Image Feature Encoding using lowerization tensors	P E S N Krishna Prasad	CSE	Mathematical Statistician and Engg Appln	2022		71(2)	Scopus
42	Product Tracking and Identification using RF Identification	Dr.Usha Bala Varanasi	CSE	International Journal of Science and Research (IJSR)	2022	11 (6) , 993-1000	2319-7064	UGC
43	Job scheduling problem in fog-cloud-based environment using reinforced social spider optimization	NAKKA MARLINE JOYS	CSE	Journal of Cloud Computing	2022	11	2192-113X	SCI

44	Improving the diagnostic accuracy using amplification and sequencing of the SARS-CoV-2 genome	N MARLINE JOYS	CSE	International Conference on Smart Technologies in Data Science and Communication	2022	331-350	978-0-12-821318-6	Scopus
45	Wireless Sensor Networks for Energy, E-Health, Building Maintenance and Agriculture Areas, And Simulation Results.	NAKKA MARLINE JOYS	CSE	Wireless Sensor Networks for Energy, E-Health, Building Maintenance and Agriculture Areas, And Simulation Results.	2023		9.78103E+12	WOS
46	Cascade-Based Non-Linear Feed-Forward Neural Networks for Bi-Directional Memory	Dr.A.Rohini	CSE	Journal of Computer Science	2023	431-445	1552-6607	Scopus
47	Machine Learning Technique For Quantification Of Mineral Elements In Indian Vital Medicinal Valued Plant, Andrographis Paniculata Using Inductively Coupled Plasma-Mass Spectroscopy	Dr. U.Jyothi	Chemistry	Ion Exchange And Adsorption	2023	1001-5493	23(1), 110-121	Scopus
48	Machine Learning Technique For Quantification Of Mineral Elements In Indian Vital Medicinal Valued Plant, Andrographis Paniculata Using Inductively Coupled Plasma-Mass Spectroscopy	Dr.M.Padmalatha	Chemistry	Ion Exchange And Adsorption	2023	1001-5493	23(1), 110-121	Scopus
49	A comparative analysis if GaNand InGaN/GaN coupling channel HEMTs on silicon carbide substrate for high linear RF applications	Dr. Murugapandiyan	ECE	Micro and Nanostrucutres	2023	2773-0123	177, 207545	SCIE
50	software effort estimation through ensembling of base models in Machine learning using a voting estimator	B.Kiran Kumar	IT	International journal of advanced computer science and applications	2023	2156-5570	14(2), 172-181	Scopus, ESCI

51	effect of cooling assisted friction stir processing on corrosion behavious of AA5083 alloy	Dr.MVNV. Satyanarayana	Mechanical	journal of the Institute of engineers India series-D	2023	2250-2130		Scopus
52	A compact reconfigurable CPW-Fed dual Band-Notched UWB antenna usig PIN diodes	Dr.K Sreelakshmi	ECE	Iranian journal of Science and Technology, Transactions of electrical engineering	2023	2228-6179		SCIE
53	GPS receiver position estimation and DOP analysis using a new form of the observation matrix approximations	Dr. Ashok kumar N	ECE	journal of Sensors	2023	1867-725X	2022	SCIE
54	A new algorithm to solve fuzzy transportation model with L-R type hexagonal fuzy numbers using tanking function	Ch. Uma Swetha	Mathematics	Reliability: theory & applications	2022	1932-2321	17(4),154-163	Scopus
55	Damping of frequency and power system oscillations with DFIG wind turbine and DE optimization	Dr.R.Satish	EEE	Sustainability	Mar-23	071-1050		SCIE
56	An aspect- aware enhanced psycholinguistic knowledge graph based personality detection using deep learning	S. Joshua Johnson	CSE (AI &ML, DS)	SN computers Science	Jan-23	2661-8907	4(3), 293-	Scopus
57	A Study on Enhancement of Language Competence Through Pragmatic Practices	Dr. A. Satya Phani Kumari	English	Theory and Practice in Language Studies, Academy Publication	2023	1799-2591	13 (2), 341-352	Scopus
58	Implementation of Smart Agriculture system Using Internet of Things	Ch. V. N. Raja, G Raja Rao, T Narasimhulu	EEE	Industrial Engineering Journal	Dec-22		Vol. 15, No. 12	UGC
59	Design of Sliding Mode Controller for Dynamic Uncertain Systems by Using an Optimized Method of Order Reduction Technique,	Ch. V. N. Raja, G Raja Rao, T Narasimhulu	EEE	Industrial Engineering Journal	Dec-22		Vol. 15, No. 12	UGC

60	New Class of Power Converter for Performing Multiple Operations in a Single Converter: Universal Power Converter'	Dr. R. Satish	EEE	Energies,	2022	1996-1073	15(17),	Scopus
61	DE algorithm optimized fuzzy-PID controller for AGC of integrated multi area power system with HVDC link'	Dr. R. Satish	EEE	Energies,	2022	1996-1073	15(17),	Scopus
62	New Multi-Source DC-DC Boost Converter and its Generalized Structure with Experimental Validation	M. Dhananjaya	EEE	Ain Shams Engineering Journal-	2023			
63	Design and Implementation of Single-Input-Multi-Output DC-DC Converter Topology for Auxiliary Power Modules of Electric Vehicl	M. Dhananjaya	EEE	IEEE Access	2022			
64	Simplified Configuration with Reduced Part Count and Improved THD for DC-AC Conversion	M. Dhananjaya	EEE	IET Renewable Power Generation	2022			

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