



Department of Electronics and Communication Engineering

PUBLICATION DETAILS JAN 2022-DEC 2022

March 2022							
S.No:	Author Name	Auth or Position	Title	Journal	ISSN	Journal Levels	DOI
1	Ms. P.R. Buvaneswari	1/2	Detection and classification of Alzheimer's disease from cognitive impairment with resting-state fMRI	Journal of Neural computing and Applications, published by Springer	0941-0643	Scopus, AU Annexure, SCI	https://doi.org/10.1007/s00521-021-06436-2
2	Dr. S. Praveen Kumar	2/5	Simulation and investigation of MEMS bilayer solar energy harvester for smart wireless sensor applications	Journal of Sustainable energy Technologies and Assessments, published by ELSEVIER	2213-1388	Scopus, AU Annexure, SCI	https://doi.org/10.1016/j.seta.2022.102102
April 2022							
3	Dr. P. BARANEEDHARAN	4/5	Facile synthesis of rGO@ CoO nanocomposites electrode material for photocatalytic hydrogen generation and supercapacitor applications	Journal of Inorganic chemistry Communications, Published by (ELSEVIER)	1387-7003	Scopus, AU Annexure, SCI	https://doi.org/10.1016/j.inoche.2022.109345



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			May 2022				
4	Dr. P. Baraneedharan	1/5	Advances in preparation, mechanism and applications of various carbon materials in environmental applications: A review	in Journal of Chemosphere, Published by (ELSEVIER)	0045-6535	Scopus, AU Annexure, SCI	https://doi.org/10.1016/j.chemosphere.2022.134596
5	Dr. S.Asha	5/6	Hybrid renewable power generation for modelling and controlling the battery storage photovoltaic system	International Journal of photoenergy	1687-529X	Scopus, AU Annexure, SCI	https://doi.org/10.1155/2022/9491808
6	Dr. Kumaran.S	3/9	Investigations on spectroscopic, ADMET properties and drug-likeness, molecular docking, chemical properties of (2E)-3-(biphenyl-4-yl)-1-(2,4-dichlorophenyl)-prop-2-en-1-one by combined density-functional theory	Journal of Molecular Structure, published by ELSEVIER	0022-2860	Scopus, AU Annexure, SCI	https://doi.org/10.1016/j.molstruc.2022.132973
7	Ms. P.R. Buvanewari	1/2	Deep Learning-Based Segmentation in classification of Alzheimer's Disease	Arabian Journal of Science and Engineering, published by Springer	2193-567X	Scopus, AU Annexure, SCI	https://doi.org/10.1007/s13369-020-05193-z



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		June 2022					
8	Dr. Beulah Jackson	1/6	Modified design structure of a metamaterial microstrip patch array antenna for RF energy optimization	Journal of Materials and technology	1580-2949	Scopus, AU Annexure, SCI	doi:10.17222/mit.2022.384
		July 2022					
9	Dr. M.Vanitha	1/4	Effective channel Allocation for hybrid network usage between Wi-Fi and cellular network	Journal of Intelligent Automation & Soft Computing	2326-005X	Scopus, AU Annexure, SCI	https://doi.org/10.32604/iasc.2022.026154
	Dr. C.T. Kalaivani	2/4	Effective channel Allocation for hybrid network usage between Wi-Fi and cellular network	Journal of Intelligent Automation & Soft Computing	2326-005X	Scopus, AU Annexure, SCI	
10	Dr. C.T. Kalaivani	1/4	Environmental monitoring and control system for greenhouse with node MCU and GSM using IOT devices	Journal International Conference on smart structures and systems(ICSSS)	0	Scopus Indexed.	10.1109/ICSSS54381.2022.9782164
11	Mr. K.Arun Kumar	1/4	Design of high speed, Low power 16x16 vedic multiplier with adiabatic logic	Journal of International conference on smart structures and systems	0	Scopus Indexed.	https://doi.org/10.1109/ICSSS54381.2022.9782274



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	Dr. Beulah Jackson	3/4	Design of high speed, Low power 16x16 vedic multiplier with adiabatic logic	Journal of International conference on smart structures and systems	0	Scopus Indexed.	
	Dr. P.Mangayarkarasi	2/4	Design of high speed, Low power 16x16 vedic multiplier with adiabatic logic	Journal of International conference on smart structures and systems	0	Scopus Indexed.	
12	Ms. A. Hemamalini	1/5	Sand theft prevention using RSSI based relative positioning and tracking system	Journal of International conference on smart structures and systems	0	Scopus Indexed.	https://doi.org/10.1109/ICSS54381.2022.9782300
	Dr. S. Dhandapani	1/2	Delay and power analysis of modified booth multiplier	Journal of International conference on smart structures and systems	0	Scopus Indexed.	https://doi.org/10.1109/ICSS54381.2022.9782213
13	Ms.A.Anjaline Jayapraba	2/2	Delay and power analysis of modified booth multiplier	Journal of International conference on smart structures and systems	0	Scopus Indexed.	
	Dr. Srigitha S. Nath	1/3	Detection of breast cancer using imaging sensor and mammogram – a review	Journal of International conference on smart structures and systems	0	Scopus Indexed.	978-1-6654-9761-9/22/\$31.00@2022 IEEE
14	Ms.A.Anjaline Jayapraba	2/3	Detection of breast cancer using imaging sensor and mammogram – a review	Journal of International conference on smart structures and systems	0	Scopus Indexed.	



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	Dr. Indhumathi.K	3/3	Detection of breast cancer using imaging sensor and mammogram – a review	Journal of International conference on smart structures and systems		Scopus Indexed. 0	
			August 2022				
15	Mr R.Jagadeshwaran	1/2	A Narrowband Interference Reduction Technique: Embedding Modulation and Spread Spectrum in FPGA	Journal of International conference on smart structures and systems(ICSSS)		Scopus Indexed.	https://doi.org/10.1109/ICSSS54381.2022.9782269
	Dr. S. Dhandapani	2/2	A Narrowband Interference Reduction Technique: Embedding Modulation and Spread Spectrum in FPGA	Journal of International conference on smart structures and systems(ICSSS)		Scopus Indexed.	
16	Dr. C.SheebaJoice	2/2	A novel self adaptive-electric fish optimization-based multi-lane changing and merging control strategy on connected and autonomous vehicle	Journal of Wireless Networks	1022-0038	Scopus, AU Annexure, SCI	https://doi.org/10.1007/s11276-022-03022-9



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17	Mr. K.Arun Kumar	2/4	Enhancement in Quality of Services for an IoT Based Wireless Sensor Networks	Journal of International conference on applied artificial intelligence and computing		Scopus Indexed.	https://doi.org/10.1109/ICAAC.53929.2022.9792667
			Sep2022				
18	Dr. R.Vinod Kumar	1/3	Lifetime maximization energy-aware routing protocol for route optimization to improve quality of service in wireless sensor networks	Journal of Computational Intelligence	0824-7935	Scopus, SCI	DOI:10.1111/COIN.12485
19	Dr. R.Vinod Kumar	1/4	Multiband miniaturisefrequency reconfigurable patch antenna using PIN diodes	Journal of Wireless Networks, Published by Springer	1022-0038	Scopus, AU Annexure, SCI	https://doi.org/10.1007/s11276-022-02946-6
	Dr. M.Vanitha	2/4	Multiband miniaturisefrequency reconfigurable patch antenna using PIN diodes	Journal of Wireless Networks, Published by Springer	1022-0038	Scopus, AU Annexure, SCI	
	Dr. M.Bindhu	4/4	Multiband miniaturisefrequency reconfigurable patch antenna using PIN diodes	Journal of Wireless Networks, Published by Springer	1022-0038	Scopus, AU Annexure,	



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						SCI	
20	Mr.Varun	1/2	Intelligent Spectrum Sensing Using Optimized Machine Learning Algorithms for Cognitive Radio in 5G Communication	Journal of Internet Technology	1607-9264	AU Annexure.	DOI: 10.53106/160792642022072304017
			Nov 2022				
21	Dr. S. Dhandapani	1/2	Delay and Power Analysis of Modified Booth Multiplier	Journal of International conference on smart structures and systems(ICSSS)	-	Scopus Indexed.	https://doi.org/10.1109/ICSSS54381.2022.9782213
	Ms.A.Anjaline Jayapraba	2/2	Delay and Power Analysis of Modified Booth Multiplier	Journal of International conference on smart structures and systems(ICSSS)	-	Scopus Indexed.	
22	Ms.K.Sakthi	1/2	Minimizing Subtle Errors in Computing Information of TCAM by Partial “N” Search Key Implementation	International Journal of Uncertainty, Fuzziness and on smart structures and systems	0218-4885	SCI Indexed.	DOI:10.1142/S0218488522400098



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		Dec 2022					
23	Ms. V. Gomathi	4/5	Survey on Solar PV Cleaning processes and MPPT system for a Smart Grid	International conference on smart structures and systems(ICSSS)	0	Scopus Indexed,	https://doi.org/10.1109/ICSSS54381.2022.9782190
24	Dr. Srigitha S. Nath	5/6	On reducing energy cost consumption in heterogeneous cellular networks using optimal time constraint algorithm	Optik – International Journal for Light and Electron Optics 270, Published by ELSEVIER	0030 - 4026	Scopus, AU Annexure, SCI	https://doi.org/10.1016/j.ijleo.2022.17008
25	Dr. A.Elakkiya	1/1	Terahertz metamaterial absorber based on single pattern pentagon shaped resonator for high Q sensing	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	1454-4164	Scopus, AU Annexure, SCI	https://joam.ino.e.ro/articles/terahertz-metamaterial-absorber-based-on-single-pattern-pentagon-shaped-resonator-for-high-q-sensing/
26	Dr. M.Vanitha	2/6	Metaheuristic Optimization Enabled Unequal Clustering with Routing Technique	International Conference on Electronics and Renewable Systems (ICEARS 2022)		Scopus Indexed,	DOI:10.1109/ICEARS53579.2022.9752312
27	Dr. M.Vanitha	2/4	A Novel Channel Estimation	International Conference		Scopus	DOI:10.1109/IC



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			Scheme for MIMOOFDM Systems based on CDD	on Inventive Computation Technologies (ICICT 2022)		Indexed,	ICT54344.2022.9850760
28	Ms. A. Hemamalini	2/4	A Comprehensive Analysis for Implementing IoT on LTE Systems	International conference on Applied Artificial Intelligence and Computing (ICAAIC 2022)		Scopus Indexed,	doi:10.1109/ICAAICS53929.2022.9793086
29	Dr. Indhumathi.K	5/7	A Sample Approach of CQDs@MoS2 Nanosheets Sensor for Detection of Pb2+ Ions	Key Engineering Materials	1662-9795	Scopus, AU Annexure, SCI	https://doi.org/10.4028/p-6o533s
30	Dr S. Imran Hussain	4/4	Thermal performance of cement mortar embedded with microencapsulated phase change materials in Indian subcontinental climatic conditions	Thermal Analysis and Calorimetry, Published by Springer	1388-6150	Scopus, AU Annexure, SCI	https://doi.org/10.1007/s10973-022-11594-z
31	Dr. S.Navaneethan	3/7	Recurrent Neural Model to Analyze the Effect of Physical Training and Treatment in Relation to Sports Injuries	Computational Intelligence and Neuroscience, Published by Hindawi	1687-5265	AU Annexure, SCI	https://doi.org/10.1155/2022/1359714
			SCI	19			



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			SCOPUS	12			
			TOTAL PUBLICATIONS	31			



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Applied TNSCST PROJECT AUGUST-SEP 2022				
S.NO	REGISTER NUMBER	STUDENT NAME	PROJECT TITLE	GUIDE NAME
1	212219060041	Mukilan	LOCATION ALERT FOR MISSING KIDS	Dr.Raji Pandurangan
2	212219060054	K.Murali	Programmable Multiple Alarm for Industrial process Application	Dr.Srivatsav
3		M.Amirdhavarshini	Human Eye Pupil Detection system for Diagnosis Medical Equipments	Dr.S.Navaneethan
		A.Anil		
		Chenimineni Thanusha		
4	212219060071	Dhivya dharshini. J	Design of Flexible Substrate Based Triangular Patch Antenna for Implantable Medical Devices	Dr. K. Mahendran
	21221960018	Anitha. A		
	212219060072	Dhivya dharshini. S		
5		Kalaivani A	Implementation of Weed detection using Machine Learning algorithms in Agricultural crops	Dr.J.Jeffin Gracewell
		Haritha S		



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		Priyadharshini R		
6	212218106248	Shruthi	RFID based biosensor for medical applications	Dr.K.Indhumathi
	212218106253	Gowri		
7	212219060016	Anand mohan	Microwave Sensor for Cancer Cell Detection	Dr.A.Elakkiya
	212219060023	Aran Thomas M		
	Syed Rayaan Ahmedh R	Syed Rayaan Ahmedh R		
8	212219060065	G Devakumar	Passive RF ID based Wearable Sensors for Tracking Applications	Dr.L.Mohana Sundari
	212219060104	M K Harish		
	212219060210	S Praveenkumar		
9		S.Pradeep,Naveen Joet M,Sabari Srinivas KR	Solar powered Surveillance robot for war field disaster management	Dr.Bharaneedharan
10	212219060201	POOJA B,	Flexible 3D Printed Flower Turbine for Powering Street Lights	Dr.Indhu
	212219060204	PORTIA J,		
	212219060064	POGULA DEVAKI		



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11	212219060088	GIRISH M	Footstep Power Generation using Arduino & PiezoElectric Sensor	Dr.Saranya
	212219060090	GOKUL SARAN K		
	212219060073	DINESH P		
12	212219060041	Bharath Kumar S	Smart App Based IoT Control and Automation of Water Level System	Dr. S. Imran Hussain
	212219060040	Bharath P		
	212219060209	Prasanna M		