Department of Electronics and Communication Engineering

Journal Publications (2021 - JAN to DEC)

S.No	Name of the author/s	Title of paper	Name of journal	Month & Year of publication	Is it listed in UGC Care list/Scopus/SCI
1	M.Babu and Sathishkumar, G.A	Design of novel SMS4-BSK encryption transmission system	ELSEVIER Integration VLSI journal ,Volume 78, Pages 60-69	Jan 2021	SCI indexed
2	Suresh K and Kumaratharan N	SDN Controller Allocation and Assignment Based on Multicriterion Chaotic Salp Swarm Algorithm	Intelligent Automation and Soft Computing, Vol. 27, No.1, pp. 89-102, 2021	Jan-2021	SCI indexed
3	R., Gayathri, Buvaneswari, P.R.	Deep Learning-Based Segmentation in Classification of Alzheimer's Disease	Arab Journal of Science and Engineering (2021).,	Jan-2021	SCI indexed
4	K Ashwini, R Amutha	Compressive sensing based recognition of human upper limb motions with kinect skeletal data	Multimedia Tools and Applications, Springer, Published Online, 10.1007/s11042-020-10327-4	Jan-2021	SCI indexed
5	Balu Ashvanth, Batchavatchalae Partibane	Inductively Coupled Triple Layers of Ultra Miniaturized Frequency Selective Surface for L-Band Applications	International Journal of RF & Microwave Computer Aided Engineering-Wiley	Jan 2021	SCI indexed
6	G A Sathish Kumar and M.Manimaraboopathy	Realization of all-optical multiplexer–demultiplexer in mid-IR wavelengths using triple-core photonic quasi-crystal fiber	Optics Communications, Elsevier Publishing, Volume 481,126556 Impact Factor: 2.125	Feb 2021	SCI indexed
7	P. Ashok, M. Ganesh Madhan	Impedance characteristics of mid infra red Quantum Cascade Lasers	Journal of Optics and Laser Technology, Elsevier Publishing, Volume 134, Article No. 106662, pp. 1-8. ISSN-0030-3992	Feb-2021	SCI indexed
8	Panchapakesan, Ashok & Ganesh Madhan, M. & N A, Natraj	Performance evaluation of free space optical link by incorporating the device parameters of quantum cascade laser based transmitter	Laser Physics Letters. Issue 18. Pg: 035301. https://doi.org/10.1088/1612-202X/abdcbc	Feb 2021	SCI indexed
9	Sivabalan Ambigapathy and Jothilakshmi Paramasivam	2.4 GHz and 5.2 GHz Frequency Bands Reconfigurable Fractal Antenna for Wearable Devices using ANN	ACES - The Applied Computational Electromagnetics Society,Volume no:36, issue 3/2021	Mar 2021	SCI indexed
10	T J Jeyaprabha, G Sumathi	A Pragmatic Study on Hybrid-Crypto-Coding Schemes for Secure Data Access	JOURNAL OF INTERNET TECHNOLOGY	Mar 2021	SCI indexed
11	P.Leelarani and Sathishkumar, G.A.	Detecting Anonymous Target and Predicting Target Trajectories in Wireless Sensor Networks"	Symmetry Journal MDPI ,Vol.13,Issue.4, Page 1-22	Apr 2021	SCI indexed

12	S. Gopinath, P. Ashok, M. Ganesh Madhan	Performance evaluation of free space optical link driven by gain switched temperature dependent quantum cascade lasers	Laser Physics Letters, IOP Publishing, Astra Ltd, Volume 18, Issue 6, April 2021, Pages 1-5	Apr-2021	SCI indexed
13	Jeyakumar Monica and Paramasivam Jothilakshmi	Multifold Bandwidth Improvement in Conformal Patch Antenna for Aircraft Application Using Corrugated Edge Coupling	ACES - The Applied Computational Electromagnetics Society,Volume no:36, issue 5/2021	May 2021	Web of Science
14	G Jayanthi, P Jothilakshmi	Traffic time series forecasting on highways-a contemporary survey of models, methods and techniques	International Journal of Logistics Systems and Management 39 (1), 77-110	May 2021	Scopus
15	Vishnusai R, T.J.Jeyaprabha	Autonomous Upgraded Herbicide Sprayer Using Basic Concepts of Artificial Intelligence	Turkish Journal of Computer and Mathematics Education Vol.12 No.12 (2021), 29-36	May-2021	OTHERS
16	R.Kousalya, Dr.G.A.Sathish Kumar	Security Analysis against Differential Cryptanalysis using Active S-Boxes	Turkish Journal of Computer and Mathematics Education Vol.12 No.13 (2021), 701-709	June 2021	OTHERS
17	G Aswini, G Gajalakshmi, JN Jayashree and R Kousalya	Design of an efficient adders for signal processing applications	International Journal of Electronic Devices and Networking 2021; 2(2): 01-05	June 2021`	OTHERS
18	B.Sarala and Sathishkumar, G.A.	Efficient Design of Image Cipher Technique Using Reversible Logic	Turkish Journal of Computer and Mathematics Education,Vol.12 No.13 , 691-700.	Jun 2021	Scopus
19	Sherin shibi & R.Gayathri,	A methodology for unsupervised feature learning in hyperspectral imagery using deep belief network	CURRENT SCIENCE, VOL. 120, NO. 11, 10 JUNE 2021	June 2021	SCI indexed
20	R.Bhuvaneswari,S.Ganesh Vaidyanathan	Transgender Face Recognition using ROI based Convolutional Neural Network	International Journal of Computer Applications	Jun 2021	Others
21	P.Sharon Femi, S. Ganesh Vaidyanathan, A.Kala	Integrating fuzzy constraint with feature correlation for local outlier mining	Sādhanā - Published by the Indian Academy of Sciences	July-2021	SCI indexed
22	M.Babu and Sathishkumar, G.A	Enhanced moth flame optimization based Supervision Kernel Entropy Component Analysis for high-speed encrypted transmission model"	International Journal of Communication Systems Wiley ,Vol.34,issue 10, page 1-21	Jul 2021	SCI indexed
23	V.R.Vimal, P.Anandan and N.Kumaratharan	Heart Disease Diagnosis Using Electrocardiography (ECG) Signals	Intelligent Automation & Softcomputing	July 2021	SCI indexed
24	Sherin shibi & R.Gayathri	Onboard target detection in hyperspectral image based on deep learning with FPGA implementation	Microprocessors and Microsystems, ISSN 0141-9331,	Jul 2021	SCI indexed

25	P.Sharon Femi, S. Ganesh Vaidyanathan, A.Kala	Integrating fuzzy constraint with feature correlation for local outlier mining	Sādhanā - Published by the Indian Academy of Sciences	Aug 2021	Web of Science
26	P.Vinayagam, P.Anandan and N.Kumaratharan	Image Denoising Using a Nonlinear Pixel-Likeness Weighted-Frame Technique	Intelligent Automation and Soft Computing, Vol. 30, No.3, pp. 869-879, 2021, ISSN: 2326-005X (online),	Aug 2021	SCI indexed
27	Dr.P.Jothilakshmi, R. Mohana Sundaram	Compact Elliptical Spiral Antenna for C band Applications	Journal of Chengdu University of Technology (Science and Technology Edition)	Aug 2021	Scopus Indexed
28	Buvaneswari, P.R., Gayathri, R	Detection and Classification of Alzheimer's disease from cognitive impairment with resting-state fMRI	Neural Computing and Applications	Aug 2021	SCI indexed
29	T.J.Jeyaprabha, E.Kavya, V.Maurya, K.Nitish	Robot Automation Algorithms	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) VOLUME-16 ~ ISSUE-4 ~ JUL.-AUG. 2021, impact factor 3.12	Aug 2021	Indian Citation Indexed
30	SNR Kalli, T Suresh, A Prasanth, T Muthumanickam, K Mohanram	An effective motion object detection using adaptive background modeling mechanism in video	Journal of Intelligent & Fuzzy Systems 41 (1), 1777-1789	Aug 2021	SCI indexed
31	G. A. Sathish Kumar and B. T. Shobana	I-Quiz: An Intelligent Assessment Tool for Non-Verbal Behaviour Detection	Journal of Computer Systems Science and Engineering doi:10.32604/csse.2022.019523	Sep 2021	SCI indexed
32	Suresh K and Kumaratharan N	Call Admission Control Decision Maker Based on OptimizedFuzzy Inference System for 5G Cloud Radio Access Networks	Wireless Personal Communications, 120, 749–769 (2021). https://doi.org/10.1007/s11277-021-08487	Sep 2021	SCI indexed
33	G. A. Sathish Kumar and K. Kiruthika Devi	Stochastic Gradient Boosting Model for Twitter Spam Detection	Journal of Computer Systems Science and Engineering doi:10.32604/csse.2022.020836	Oct 2021	SCI indexed
34	G. A. Sathish Kumar,C. T. Poomagal and Deval Mehta	Revisiting the ECM-KEEM protocol with Vedic multiplier for enhanced speed on FPGA platforms	Journal of Ambient Intelligence and Humanized Computing	Oct 2021	SCI indexed
35	Jayachitra Sekar, Prasanth Aruchamy, Haleem Sulaima Lebbe Abdul, Amin Salih Mohammed, Shaik Khamuruddeen	An efficient clinical support system for heart disease prediction using TANFIS classifier	Computational Intelligence - Wiley, Volume 38, Issue 2, April 2022, Pages: 610-640	Oct 2021	SCI indexed
36	S.Lavanya, A.Prasanth, S.Jayachitra, A.Shenbagarajan	A Tuned classification approach for efficient heterogeneous fault diagnosis in IoT-enabled WSN applications	Measurement , 183, 109771:1-22.	Oct 2021	SCI indexed
37	Ashvanth B, Partibane B, Alsath GN	An Ultra-Miniaturized Frequency Selective Surface with Angular and Polarization Stability	IEEE Antennas and Wireless Propagation Letters, Vol.21, 1, pp.114-118	Nov 2021	SCI indexed
38	Ashvanth B, Partibane B, Idayachandran G	Designing Miniaturized Metamaterial Absorber with Tunable Multiband Characteristics for THz	Bulletin of Materials Science-Springer, Vol.44, pp.1-8	Nov 2021	SCI indexed
39	Ashvanth B, kanimozhi selvi	Tunable Six Band Miniaturized Metamaterial Absorber for IOT and THz Imaging Applications	Pramana-Journal of Physics-Springer, Vol.95, pp.1-7	Nov 2021	SCI indexed
40	A. Kala , S. Ganesh Vaidyanathan	Forecasting Monthly Rainfall using Bio-Inspired Arti¯cialAlgae Deep Learning Network	Fluctuation and Noise Letters	Nov 2021	Web of Science

41	R.Bhuvaneswari, .S. Ganesh Vaidyanathan	Classification and grading of diabetic retinopathy images using ensemble of classifiers	Journal of Intelligent & Fuzzy Systems, vol. 41, no. 6, pp. 7407-7419, 2021, DOI: 10.3233/JIFS-211364, 16 December 2021	Dec-2021	SCI indexed
42	R.Bhuvaneswari, .S. Ganesh Vaidyanathan	Classification and grading of diabetic retinopathy images using ensemble of classifiers	Journal of Intelligent & Fuzzy Systems, vol. 41, no. 6, pp. 7407-7419, 2021, DOI: 10.3233/JIFS-211364, 16 December 2021	Dec 2021	Web of science
43	Babitha Lincy, R.B., Gayathri R	Optimized Convolutional Neural Network for Tamil-Handwritten Character Recognition	International Journal of Pattern Recognition and Artificial Intelligence" WORLD SCIENTIFIC PUBL CO PTE LTD, Singapore	Dec 2021	SCI indexed