

### Journal Publication - Jan 2022-Dec 2022

S.No	Name of the author/s	Title of paper	Name of the Journal	Month & Year of publication	Is it listed in UGC Care list/Scopus/SCI indexed/Others
1	Sheriff M, & Gayathri R	An Enhanced Ensemble Machine Learning Classification Method to Detect Attention Deficit Hyperactivity for Various AI and Telecommunication Applications	Computational Intelligence Wiley,	Jan 2022	SCI indexed
2	M.Kavitha, R.Gayathri	Performance evaluation of deep e-CNN with integrated spatial-spectral features in hyperspectral image classification	Measurement, Volume 191, Jan 2022, ISSN 0263-2241, Elsevier, England, 2022	Jan 2022	SCI indexed
3	D.Menaka,Dr.S.Ganesh Vaidyanathan	Chromenet: A CNN Architecture With Comparison Of Optimizers For Classification Of Human Chromosome Images	Multidimensional systems and signal processing, Vol 33.Issue 3,pp 747-768	Jan 2022	<a href="#">Web of Science</a>
4	Sherin shibi & R.Gayathri,	An Efficient Hardware Implementation of Hyperspectral Target Detection System using FPGA	Journal of Scientific and Industrial Research (JSIR, Natl Inst Science Communication-Niscair, NIScPR-CSIR, India ISSN 0022-4456 / 0975-1084, JSIR Vol.81(02)	Feb 2022	SCI indexed

5	R.Srinath, R.Gayathri	Epilepsy Disorder Detection and Diagnosis Using Empirical Mode Decomposition and Deep Learning Architecture	Concurrency and Computation Practice & Experience, Wiley, USA,	Feb 2022	SCI indexed
6	M. Manimaraboopathy, G. A. Sathish Kumar	Realization of all-optical JK flipflop in mid-IR wavelengths using triple-core photonic quasi-crystal fiber	Optical and Quantum Electronics Springer (2022) 54:146 pp.1-13	Feb 2022	SCI indexed
7	P.Sharon Femi, S.Ganesh Vaidyanathan	An efficient ensemble framework for outlier detection using bio-inspired algorithm	International Journal of Bio-Inspired Computation	Feb 2022	<a href="#">Web of Science</a>
8	V.Rajalakshmi, S.Ganesh Vaidyanathan	MLP-PSO Framework with Dynamic Network Tuning for Traffic Flow Forecasting	Intelligent Automation & Soft Computing, Vol. 33, No.3, pp. 1335–1348	Mar 2022	Web of Science
9	K.B.Bhaskar, A.Prasanth, P.Saranya	An energy-efficient blockchain approach for secure communication in IoT-enabled electric vehicles	International Journal of Communication Systems - Wiley, April 2022, Volume 35, Issue 11	Apr 2022	SCI indexed
10	M.Kavitha, R.Gayathri	Robust Spatial- Spectral Squeeze-Excitation AdaBound Dense Network (SE-AB-Densenet) for Hyperspectral Image Classification	sensors journal, MDPI,	Apr 2022	SCI indexed
11	Babitha Lincy R.B., Gayathri R	Transfer Learning Based Handwritten Character Recognition of Tamil Script Using Inception-V3 Model	Journal of Intelligent & Fuzzy Systems	Apr 2022	SCI indexed

12	Athappan M & Dr KR Santha	A delay efficient hybrid parallel prefix variable latency CSKA based multi-operand adder with optimized 5:2 compressor and skip logic	International Journal of Electronics, Taylor & Francis, June 2022, DOI: 10.1080/00207217.2022.2081994	Apr 2022	SCI indexed
13	K Murali Krishna, M Ganesh Madhan, P Ashok	Performance predictions of VCSEL based cascaded fiber-FSO RoF system for 5G applications	Optik, Volume 257, May 2022, 168740	May 2022	SCI indexed
14	Dr.S,Muthukumar, Seshadri N, Yashwanth B, Srivanth Ganesh	AI Voice Coach and Emergency Modules for Smartwatch Framework	Journal of Algebraic Statistics, Vol. 13 No. 3 (2022)	Jun 2022	others
15	S. MahaboobBasha, P.Mathivanan, A. BalajiGanesh	Bit Level Color Image Encryption using Logistic-Sine-TentChebyshev (LSTC) map	Optik, Volume 259, June 2022, 168956	Jun 2022	SCI indexed
16	G.A.Sathish Kumar and M.Suresh Kumar	Efficient hybrid energy optimization method in location aware unmmanned WSN	Intelligent Automation & Soft computing	June 2022	SCI
17	S. Kulandaiyan,D. Manimaran,S. Raajesh Baabu,Dr.S.Muthukumar	Vehicle Tracking System Using LoRa Module	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 09 Issue: 07, July 2022	July 2022	Others
18	A. Kala , S. Ganesh Vaidyanathan,	CEEMDAN hybridized with LSTM model for forecasting monthly rainfall	Journal of Intelligent & Fuzzy Systems, vol. 43, no. 3, pp. 2609-2617, 2022	July 2022	SCI
19	Dr.R.Muthalagu, Dr.S.Vijayanand, Dr.M.Ganesh Mani	Glaucoma diagnosis utilising Le-Net and supervised machine learning techniques in retinal fundus images	Neuroquantology	Aug 2022	Scopus

20	Paruthi Ilam Vazhuthi Padmanaban, Manikandan Shanmugaperumal Periasamy, Prasanth Aruchamy	An Energy-Efficient Auto Clustering Framework for Enlarging Quality of Service in Internet of Things-enabled Wireless Sensor Networks using Fuzzy Logic System	Concurrency and Computation: Practice and Experience	August 2022	SCI
21	Dr.S.Vijayanand,Dr.R.Muthalagu, Dr.M.Ganesh Mani	An approach to deep learning based on Discrete wavelet transform for the diagnosis of epilepsy	Neuroquantology	Oct 2022	Scopus
22	G Akila & R. Gayathri	Weighted Multi-Deep Feature Extraction for Hybrid Deep Convolutional LSTM-based Remote Sensing Image Scene Classification Model	Geocarto International	Nov 2022	SCI
23	Dr.D.Menaka and Dr.S.Ganesh Vaidyanathan	A hybrid convolutional neural network-support vector machine architecture for classification of super-resolution enhanced chromosome images	Expert Systems	Nov 2022	SCI
24	S. Balasubramaniam,K. Satheesh Kumar,V. Kavitha, A. Prasanth, and T. A. Sivakumar	Feature Selection and Dwarf Mongoose Optimization Enabled Deep Learning for Heart Disease Detection	<a href="#">Computational Intelligence and Neuroscience</a>	Dec 2022	SCI
25	G.Muneeswari, Sajithra Varun, Ramakrishna Hegde, Sharon Priya, Josephin Shermila, Prasanth A	Self-diagnosis platform via IOT-based privacy preserving medical data	<a href="#">Measurement: Sensors</a>	Dec 2022	Scopus