



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Technical Paper Publications in International Journal in the Year 2023

Sl.No	Details of Publication	Impact Factor
1	Parimala Kanaga Devan K., Anandha Mala G.S. , "An optimal detection of fake news from Twitter data using dual-stage deep capsule autoencoder ", Journal of Experimental and Theoretical Artificial Intelligence, Taylor and Francis Ltd. With ISSN 0952813X Vol. Article in Press. DOI: 10.1080/0952813X.2023.2196986 (SCI & Scopus)	2.296
2	Babu, D.V., Basha, S.A., Kavitha, D. et al. Digital code modulation-based MIMO system for underwater localization and navigation using MAP algorithm. <i>Soft Comput</i> (2023). https://doi.org/10.1007/s00500-023-08244-3 (SCI & Scopus)	4.1
3	Pushparaj J.P., Jeremiah R., Solomon I.J., Ahamed Ali S., Vindhya A.S., Jayabalan C., De Poures M.V., Bayisa Abdeta D. " Taguchi-Based Artificial Neural Network Modeling of Friction Process on Aluminum Alloy Reinforced with SiC Nanoparticles", Journal of Nanomaterials, Volume 2023, Article number 3258173, DOI:10.1155/2023/3258173 (SCI & Scopus)	3.79
4	Deepa J., Ali S.A., Hemamalini S. " Intelligent energy efficient vehicle automation system with sensible edge processing protocol in Internet of Vehicles using hybrid optimization strategy" <i>Wireless Networks</i> , DOI: 10.1007/s11276-022-03204-5, ISSN 10220038, Article in Press (SCI & Scopus)	3.73
5	.Bhavadarini R.M., Karthik S." Blockchain Enabled Metaheuristic Cluster Based Routing Model for Wireless Networks" in <i>Computer Systems Science and Engineering</i> , Volume 44, Issue 2, 2023, Pages 1233-1250 DOI:10.32604/csse.2023.025461 (SCI & Scopus)	4.37
6	.Kumar P.H., AnandhaMala G.S. " HMAC-R: Hash-based message authentication code and Rijndael-based multilevel security model for data storage in cloud environment" <i>Journal of Supercomputing</i> , Volume 79, Issue 3, February 2023, Pages 3181-3209, DOI:10.1007/s11227-022-04714-x (SCI & Scopus)	2.56
7	Krishnan V.G., Murthy K.S., Dhanalakshmi G., Sankar K., Lakshmi S.V., Gowri B.S. " Pigeon Inspired Optimization Based Centroid Selection in TGVFCMS for Energy-Efficient Wireless Sensor Network" <i>International Journal of Electrical and Electronic Engineering and Telecommunications</i> , Volume 12, Issue 2, March 2023, Pages 124-133 ,DOI:10.18178/ijeetc.12.2.124-133 . (Scopus)	0.17

Sl.No	Details of Publication	Impact Factor
8	Sheeja R., Iqbal M.M., Sivasankar C." Multi-objective-derived energy efficient routing in wireless sensor network using adaptive black hole-tuna swarm optimization strategy" Ad Hoc Networks,Volume 144, 1 May 2023, Article number 103140,DOI:10.1016/j.adhoc.2023.103140 (SCI & Scopus)	4.816
9	Bibin C., Sheeja R., Devarajan Y., S M., Ponnappan V.S., L N." Environment impact assessment of agricultural diesel engines utilizing biodiesel derived from phoenix sylvestris oil" Environmental Research, Volume 224, 1 May 2023, Article number 115432,DOI:10.1016/j.envres.2023.115432 (SCI & Scopus)	8.431
10	Kingsley S., Sethukarasi T." Flower pollination student psychology optimization-integrated context deep learning and probabilistic-based fusion for image inpainting" International Journal of Wavelets, Multiresolution and Information Processing,Volume 21, Issue 3, 1 May 2023, Article number 2250050,DOI:10.1142/S0219691322500503 (SCI & Scopus)	1.276
11	Nagarajan S., Kayalvizhi S., Subhashini R., Anitha V." Hybrid honey badger-world cup algorithm-based deep learning for malicious intrusion detection in industrial control systems, Computers and Industrial Engineering, 10.1016/j.cie.2023.109166 (SCI & Scopus)	7.18
12	Kayalvizhi S., Nagarajan S., Deepa J., Hema Priya K. " Multi-modal IoT-based medical data processing for disease diagnosis using Heuristic-derived deep learning" Biomedical Signal Processing and Control, Volume 85, August 2023, Article number DOI:104889,10.1016/j.bspc.2023.104889 (SCI & Scopus)	5.076
13	Dharaniya, R., Indumathi, J., Kaliraj, V."A design of movie script generation based on natural language processing by optimized ensemble deep learning with heuristic algorithm", published in Data and Knowledge Engineering,DOI: 10.1016/j.datak.2023.102150(SCI & Scopus)	1.9
14	V. Gokula Krishnan,M. Navaneethakrishnan, Sangeetha Ganesan,M. V. Vijaya Saradhi, K. Hemapriya, D. Selvaraj, J. Deepa, K. Sreerama Murthy, and Srinath Doss, "Optimized IANSegNet: Deep Segmentation for the Detection of Inferior Alveolar Nerve Canal", BioMed Research International, Hindawi, ISSN 2314-6133, 2023.DOI : 10.1155/2023/6431692,	3.24
15	Saravanan A, Thirumurugan P,Rajeshkannan S,Sridhar S"Effect of corn cob carbon quantum dots and areca husk microfiber on EMI shielding effectiveness of flexible PVA thin film at 8–20GHz frequency bands",Biomass Conversion and Biorefinery,10.1007/s13399-023-03867-w,(SCI & Scopus)	4.05

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16	Chidambaranathan, B., Kumarasami, D.P., Raghavan, S., Sundaram, M."Thermal and chemical exhaust gas recirculation potential of punnai oil biodiesel-fuelled diesel engine for environmental sustainability,Environmental Science and Pollution Research1,0.1007/s11356-022-20463-z (SCI & Scopus)	5.19
17	Jeyaraj, D., Yesudhasan, J., Aliar, A.A.S."Developing multi-path routing protocol in MANET using hybrid SM-SBO based on novel multi-objective function",International Journal of Communication Systems,Volume 36, Issue 4, 10 March 2023, Article number e5404,DOI:10.1002/dac.5404 (SCI & Scopus)	1.882
18	Padmavathi, B., Muthukumar, B."An efficient botnet detection approach based on feature learning and classification"Journal of Control and Decision,DOI:10.1080/23307706.2022.2077246 (SCI & Scopus)	3.952
19	Gokula Krishnan V, Hemamalini S, Cheraku, Hema Priya K , "Attack Detection using DL based Feature Selection with Improved Convolutional Neural Network" <i>International Journal of Electrical and Electronics Research, Open Access</i> , Volume 11, Issue 2, Pages 308 - 3142023, DOI: 10.37391/ijeer.110209 (Scopus)	0.167
20	B. Padmavathi , B. Muthukumar, "Pattern Analysis and Regressive Linear Measure for Botnet Detection", Computer Systems Science and Engineering, vol.43, no.1,2022.DOI:10.32604/csse.2022.02143.(SCI)	4.397