Dr.GOMATHI N Publications:

1. Amolkumar Narayan Jadhav, N. Gomathi,WGC: Hybridization of exponential grey wolf optimizer with whale optimization for data clustering,Alexandria Engineering Journal,Volume 57, Issue 3,2018,Pages 1569-1584,ISSN 1110-0168
2. Karlekar, Nandkishor&Gomathi, N.. (2018). OW-SVM: Ontology and whale optimization-based support vector machine for privacy-preserved medical data classification in cloud. International Journal of Communication Systems. 31. e3700. 10.1002/dac.3700.
3. Karlekar N. P. Gomathi N. (2017). Kronecker product and bat algorithm-based coefficient generation for privacy protection on cloud. International Journal of Modeling, Simulation, and Scientific Computing, 8(3), 1750021. 10.1142/S1793962317500210
4. Wagh, Mukund &Gomathi, N. (2018). Route discovery for vehicular ad hoc networks using modified lion algorithm. Alexandria Engineering Journal. 57. 10.1016/j.aej.2018.05.006.
5. Sampath, A &Gomathi, N. (2017). Fuzzy-based multi-kernel spherical support vector machine for effective handwritten character recognition. Sādhanā. 42. 10.1007/s12046-017-0706-9.
6. Sampath, A. &Gomathi, N. (2017). Decision tree and deep learning based probabilistic model for character recognition. Journal of Central South University. 24. 2862-2876. 10.1007/s11771-017-3701-8.
7. Wagh, M.B., &Gomathi, N. (2019). Optimal Route Selection for Vehicular Adhoc Networks using Lion Algorithm. The Journal of Engineering Research, 7.
8. Wagh, Mukund &Gomathi, N.. (2018). Water Wave Optimization-based Routing Protocol for Vehicular Adhoc Networks. International Journal of Modeling, Simulation, and Scientific Computing. 09. 10.1142/S1793962318500472.
9. Jagtap, Arvind &Gomathi, N.. (2017). Minimizing sensor movement in target coverage problem: A hybrid approach using Voronoi partition and swarm intelligence. Bulletin of the Polish Academy of Sciences Technical Sciences. 65. 10.1515/bpasts-2017-0030.
10. Jadhav, Amolkumar&Gomathi, N.. (2016). Kernel-based exponential grey wolf optimizer for rapid centroid estimation in data clustering. JurnalTeknologi. 78. 10.11113/.v78.8057.
11. Gomathi, N. & Sridevi, I.. (2015). Recovery of noble metal from E-waste using leaching, electro deposition and electro generative process. Der Pharma Chemica. 7. 219-224.
12. Sampath, A.K. &Gomathi, N.. (2019). Handwritten optical character recognition by hybrid neural network training algorithm. The Imaging Science Journal. 67. 1-15. 10.1080/13682199.2019.1661591.
13. Gomathi, N. &Karlekar, Nandkishor. (2019). Ontology and Hybrid Optimization Based SVNN for Privacy Preserved Medical Data Classification in Cloud. International Journal on Artificial Intelligence Tools. 28. 1950009. 10.1142/S021821301950009X.
14. Jagtap, Arvind &Gomathi, N.. (2020). Energy Efficient Sensor Deployment with TCOV and NCON in Wireless Sensor Networks: Energy Efficient Sensor Deployment with TCOV. International Journal of Embedded and Real-Time Communication Systems. 11. 1-22. 10.4018/IJERTCS.2020010101.
15. Jagtap, Arvind &Gomathi, N.. (2019). Minimizing movement for network connectivity in mobile sensor networks: an adaptive approach. Cluster Computing. 22. 1-11. 10.1007/s10586-017-1660-3.
16. Mukund, Wagh&Gomathi, N.. (2018). Quantitative and qualitative correlation analysis of optimal route discovery for vehicular ad-hoc networks. Journal of Central South University. 25. 1732-1745. 10.1007/s11771-018-3864-y.
17. Karuppiah, Nagalakshmi&Gomathi, N.. (2018). Criticality-cognizant Clustering-based Task Scheduling on Multicore Processors in the Avionics Domain. International Journal of Computational Intelligence Systems. 11. 219. 10.2991/ijcis.11.1.17.

18. Gomathi, N. &Raghavendran, Srividhya& Darwin, P. &Sugumaran, D.. (2016). Cross Layer Architecture for Maintaining QoS in Multimedia Applications. Indian Journal of Science and Technology. 9. 10.17485/ijst/2016/v9i31/92858.

19. Geetha, A. &Gomathi, N.. (2019). A robust grey wolf-based deep learning for brain tumour detection in MR images. Biomedical Engineering / Biomedizinische Technik. 65. 10.1515/bmt-2018-0244.

20. Geetha, A. &Gomathi, N.. (2020). CBIR aided classification using extreme learning machine with probabilistic scaling in MRI brain image. Bio-Algorithms and Med-Systems. -1. 10.1515/bams-2019-0060.

21. Wagh, Mukund &Gomathi, N.. (2017). Shared intelligent optimum route selection through traffic management system in VANET– SIRS. International Journal of Engineering & Technology. 7. 125. 10.14419/ijet.v7i1.2.9037.

22. A. K. Sampath and N. Gomathi, (2017). Probabilistic Model Based Hybrid Classifier for Character Recognition. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems. Vol. 25, No. 04, pp. 621-647

23. Karuppiah, Nagalakshmi&Gomathi, N.. (2017). Analysis of Power Management Techniques in Multicore Processors. 10.1007/978-981-10-3174-8_35.

24. Gomathi, N.. (2016). Enhancing the end to end QoS of multimedia applications in mobile adhoc networks by an integrated cross layer approach. 9. 5741-5752.

25. Gomathi, N. &Srinivasulu, P. & Nikhil, C.V. & Vineeth, K.V.. (2016). Interactive dashboard for the betterment of patient health using big data analytics. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 7. 1697-1707.

26. Gomathi, N. & P L, Rupesh Kumar. (2016). Study on the performance of plastic waste oil in CI engines: A review. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 7. 1689-1696.