

DR. C. GUNAVATHI,

Associate Professor

Department of Smart Computing

School of Information Technology & Engineering (SITE)

Vellore Institute of Technology, Vellore - 632 014

E-mail: gunavathi.cm@vit.ac.in, sssguna@gmail.com

Mobile: +91 94420 91979

S.No.	Title of the paper	Year published
1	Pravinkumar M Sonsare, C Gunavathi 2019, "Investigation of machine learning techniques on proteomics: A comprehensive survey" Progress in Biophysics and Molecular Biology. DOI: 10.1016/j.pbiomolbio.2019.09.004. (IF – 2.703)	2019
2	SwarnaPriya RM, Gunavathi C, Aarthy, SL, 'Estimating the distance of a human from an object using 3D image reconstruction' Advances in Intelligent Systems and Computing (Springer), 862, pp. 235-243, 2019.(SCOPUS)	2019
3	Gunavathi C, SwarnaPriya RM, Aarthy, SL, 'Big data analysis for anomaly detection in telecommunication using clustering techniques' Advances in Intelligent Systems and Computing (Springer), 862, pp. 111-121, 2019.(SCOPUS)	2019
4	M.S. Arunkumar, P.Suresh, C.Gunavathi2018, "High Utility Infrequent Itemset Mining Using a Customized Ant Colony Algorithm" International Journal of Parallel Programming.DOI: 10.1007/s10766-018-0621-7. (IF – 1.258)	2018
5	Arunkumar M.S, Suresh P, Gunavathi C, Preethi S 2018, "Periodicity Mining, " a Time Inference over High Utility item set mining" – A Study", International Journal of Recent Technology and Engineering, Vol. 7, Issue. 4S.(SCOPUS)	2018
6	M.S. Arunkumar, P.Suresh, C.Gunavathi2018, "High Utility Itemset Mining using Partition Utility List Structure", Journal of Computational and Theoretical Nanoscience, vol. 15, pp. 171- 178.(SCOPUS)	2018
7	SwarnaPriya RM, Aarthy S L, Gunavathi C, Venkatesh P, Srinivas Koppu, Xiao-Zhi Gao 2017, "3D Reconstruction of a scene from multiple 2D images", International Journal of Civil Engineering and Technology, vol. 8, no. 12, pp. 324-331. (SCOPUS)	2017
8	C.Gunavathi, K.Premalatha and K.Sivasubramanian2017, "A Survey on Feature Selection Methods in Microarray Gene Expression Data for Cancer Classification", Research Journal of Pharmacy and Technology, vol. 10, no. 5, pp. 1395 – 1401.(SCOPUS)	2017

9	C.Gunavathi, K.Premalatha and K.Sivasubramanian2017, “Biomarker Selection from Gene Expression Data for Tumour Categorization Using Bat Algorithm”, International Journal of Intelligent Engineering & Systems, vol. 10, no. 3, pp. 401 – 408.(SCOPUS)	2017
10	C.Gunavathi, K.Premalatha and K.Sivasubramanian2017, “An Application of Clonal Selection Algorithm in Gene Selection for Cancer Classification using Microarray Data”, Research Journal of Pharmaceutical, Biological and Chemical Sciences, vol. 8, no. 1, pp. 173 – 182.	2017
11	S. Sutha, C. Kavitha, C. Gunavathi 2017, “Image Retrieval using Fused Features and Annotation Techniques”, Asian Journal of Research in Social Sciences and Humanities, vol. 7, no. 1, pp. 392-399.	2017
12	Sivasubramanian, K, Jayanthi, K B &Gunavathi, C2016, ‘Chip Area Minimization with Voltage-Island and Fixed-Outline Constraints Using Dual Level Meta-Heuristic Optimization Algorithms’, Journal of Computational and Theoretical Nanoscience, vol. 13, no. 7, pp. 4427- 4438. (SCOPUS)	2016
13	R.Meena&C.Gunavathi, ‘Automated skin lesion analysis system for melanoma early detection and prevention using SVM classifier’ International Conference on Green, Intelligent Computing and Communication Systems, Coimbatore, 2016.	2016
14	Gunavathi, C &Premalatha, K 2015,‘Cuckoo search optimization for feature selection in cancer classification: A new approach’, International Journal of Data Mining and Bioinformatics, Inderscience Publishers, vol. 13, no. 3, pp. 248-265. (IF – 0.789)	2015
15	Gunavathi, C,&Meena.R, ‘Survey on Automated Skin Lesion Analysis System for Melanoma Early Detection and Prevention’, International Conference on Modelling, Simulation and Control (ICMSC), pp. 247-250, 2015.	2015
16	Gunavathi, C &Premalatha, K 2014,‘A Comparative analysis of swarm intelligence techniques for feature selection in cancer classification’, The Scientific World Journal, Hindawi Publishing Corporation, vol. 2014, Article ID 693831, doi: 10.1155/2014/693831.(SCOPUS)	2014
17	Gunavathi, C&Premalatha, K 2014, ‘Statistical measures and optimization algorithms for gene selection in lung and ovarian tumor’, World Academy of Science, Engineering and Technology, International Journal of Medical, Health, Pharmaceutical and Biomedical Engineering, vol. 8, no. 10, pp. 685-691.	2014
18	Gunavathi, C&Premalatha, K 2014, ‘Performance analysis of genetic algorithm with kNN and SVM for feature selection in tumor classification’, World Academy of Science, Engineering and Technology, International Journal of Computer, Information, Systems and Control Engineering, vol. 8, no. 8, pp. 1357-1364.	2014