

Dr. Ganeshkumar Pugalendhi

Assistant Professor, Dept of Information Technology, Anna University Regional Campus, Coimbatore

Email id: ganesh23508@gmail.com

Mobile: 9791638370

Areas of specialization: Soft Computing, Data Mining.

Publication:

1. S Sumathi, GK Pugalendhi, P Ganeshh Kumar, **“Cognition based spam mail text analysis using combined approach of deep neural network classifier and random forest”**, Journal Of Ambient Intelligence And Humanized Computing, 2020.
2. R Jeyaraj, G Pugalendhi, A Paul, **“Big Data with Hadoop MapReduce: A Classroom Approach”** CRC Press, 2020.
3. A Suresh, P Ganesh Kumar, **“Optimization of Metascheduler for Cloud Machine Learning Services”** Wireless Personal Communications, 1-22.
4. K Kumaresan, P Ganeshkumar **“Software reliability prediction model with realistic assumption using time series (S) ARIMA model”** Journal Of Ambient Intelligence And Humanized Computing.
5. D Velusamy, GK Pugalendhi **“Water Cycle Algorithm Tuned Fuzzy Expert System for Trusted Routing in Smart Grid Communication Network”** IEEE Transactions on Fuzzy Systems 28 (6), 1167-1177.
6. S Sudhagar, M Sakthivel, P GaneshKumar , **“Monitoring of Friction Stir Welding based on Vision System coupled with Machine Learning Algorithm”**, 2019
7. D Velusamy, GK Pugalendhi **“Fuzzy integrated Bayesian Dempster–Shafer theory to defend cross-layer heterogeneity attacks in communication network of Smart Grid”** Information Sciences 479, 542-566, 2019
8. G Lavanya, C Rani, P Ganeshkumar **“An automated low cost IoT based Fertilizer Intimation System for smart agriculture”** Sustainable Computing: Informatics and Systems, 2019
9. G Lavanya, C Rani, P Ganeshkumar **“Sustainable Computing: Informatics and Systems”** , 2019
10. R Raja, P Ganeshkumar **“QoSTRP: A Trusted Clustering Based Routing Protocol for Mobile Ad-Hoc Networks”** Programming and Computer Software 44 (6), 407-416, 2018
11. R Muruganantham, P Ganeshkumar **“Quality of Service Enhancement in Wireless Sensor Network Using Flower Pollination Algorithm”** Programming and Computer Software 44 (6), 398-406, 2018

12. SAA Vijay, P GaneshKumar **“Fuzzy Expert System based on a Novel Hybrid Stem Cell (HSC) Algorithm for Classification of Micro Array Data”** Journal of medical systems 42 (4), 61 , **2018**
13. Sathish Kumar R, C Rani, P GaneshKumar **“IoT based monitoring of container vehicle for secure and reliable delivery of goods.”** SAC, 628-633, **2018**
14. D Velusamy, GK Pugalendhi **“An effective trust based defense mechanism to thwart malicious attack in smart grid communication network”** 2017 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS) , **2017**
15. B Kang, GK Pugalendhi, KJ Kim **“Binding Direction-Based Two-Dimensional Flattened Contact Area Computing Algorithm for Protein–Protein Interactions”** Molecules 22 (10), 1722, **2017**
16. RS Kumar, C Rani, P GaneshKumar **“Predicting optimal path for goods delivery to fair price shops in India using Hierarchical Intelligent Water Drops Algorithm”** Global Journal of Pure and Applied Mathematics 13 (6), 2009-2031, **2017**
17. GK Pugalendhi, D Velusamy, A Paul, KJ Kim **“Fuzzy-based trusted routing to mitigate packet dropping attack between data aggregation points in smart grid communication network”** Computing 99 (1), 81-106, , **2017**
18. MS Kavitha, P Ganesh Kumar, SY Park, KH Huh, MS Heo, T Kurita **“Automatic detection of osteoporosis based on hybrid genetic swarm fuzzy classifier approaches”**, Dentomaxillofacial Radiology 45 (7), 20160076, , **2016**
19. G Pugalendhi, A Vijayakumar, KJ Kim **“A new data-driven method for microarray data classification”** International Journal of Data Mining and Bioinformatics 15 (2), 101-124, **2016**
20. GK Pugalendhi, KJ Kim **“Hybrid intelligent methods for microarray data analysis”** IEEE 15th International Conference on Bioinformatics and Bioengineering (BIBE) ,**2015**
21. GK Pugalendhi, KJ Kim **“Intelligent F-information for genetic swarm algorithm based fuzzy expert system”** Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics,**2015**
22. GK Pugalendhi, KJ Kim **“Computational support system for personalized medicine”** Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics,**2015**
23. GK Pugalendhi, KJ Kim **“An Evolutionary Swarm Approach to Design Fuzzy Classification System”**한국정보과학회학술발표논문집, 793-795,**2015**

24. TAAV P.Ganeshkumar, C.Rani, D.Mahibha **“Fuzzy-rough-neural-based f-information for gene selection and sample classification”** International Journal of Data Mining and Bioinformatics 11 (1), 31-52 ,**2015**
25. T Prasannavenkatesan, R Raja, P Ganeshkumar **“PDA-misbehaving node detection & prevention for MANETs”** International Conference on Communication and Signal Processing, 1163-1167, **2014**
26. P GaneshKumar, C Rani, D Devaraj **“Hybrid ant bee algorithm for fuzzy expert system based sample classification”**, TAA VictoireIEEE/ACM transactions on computational biology and bioinformatics, **2014**
27. P GaneshKumar, C Rani, SN Deepa **“Formation of Fuzzy If-Then rules and Membership function using enhanced particle swarm optimization”** International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, **2013**
28. TAAV P.GaneshKumar, D.Mahibha**Estimation of True Density Function for Continuous Gene Expression Data”** International Journal of Data Mining and Bioinformatics, **2013**
29. GK Pugalendhi, M David, AA Victoire **“A Hybrid Approach to Estimate True Density Function for Gene Expression Data”** International Conference on Digital Image Processing and Information Technology, **2011**
30. GK Pugalendhi, SR Sargunadoss, AA Victoire **“Mutual Information in stages for informative gene selection”** 2011 International Conference on Signal Processing, Communication, Computing and Networking Technologies, **2011**
31. PG Kumar, V Ammu, TAA Victoire **“Building Decision Rules Using a Novel Data Driven Method for Microarray Data Classification”** International Conference on Process Automation, Control and Computing, 1-6, **2011**
32. DD P.GaneshKumar, T.Aruldoss Albert Victore **“Design of Fuzzy Expert System for Microarray Data Classification using a Novel Genetic Swarm Algorithm”**, PExpert Systems with Applications, 39 (2), 1811-1812, **2011**
33. TAAV P.GaneshKumar **“Multistage Mutual Information for Informative Gene Selection”** Journal of Biological Systems 19 (4), 1-22, **2011**
34. P Ganesh Kumar, D Devaraj **“Fuzzy classifier design using modified genetic algorithm”** International Journal of Computational Intelligence Systems 3 (3), 334-342, **2010**

35. D Devaraj, P GANESH KUMAR “**Mixed genetic algorithm approach for fuzzy classifier design**” International Journal of Computational Intelligence and Applications, **2010**