

### **Dr.K. Premalatha - Journal Publications:**

1. P. Swathypriyadharsini; **K. Premalatha**, “Comparison of cuckoo search and particle swarm optimisation in triclustering temporal gene expression data”, International Journal of Swarm Intelligence 4 1 55 - 72 JAN 2019
2. **K. Premalatha**, “Course and Program Outcomes Assessment Methods in Outcome-Based Education: A Review Journal of Education”, 1 - 17 JUN 2019
3. T. Keerthika and **K. Premalatha**, “An effective feature selection for heart disease prediction with aid of hybrid kernel SVM.”, Int. J. Business Intelligence and Data Mining 15 3 306 - 326 JUN 2019
4. S Kannimuthu and **K. Premalatha**, “Stellar mass black hole optimisation for utility mining”, Int. J. Data Analysis Techniques and Strategies 11 3 222 - 245 JUN 2019
5. Prema R, “Identifying Autism Biomarkers from Microarray Data using Intuitionistic Fuzzy Normalization and Feature Selection Romanian.” Biotechnological Letters 24 3 554 - 562 JUN 2019
6. Vignesh V and **Premalatha K**, “Optimal route path sustainability in military information system with reduced interference effect.”, The Journal of Supercomputing, An International Journal of HighPerformance Computer Design, Analysis, and Use 75 9 6106 - 6117 SEP 2019
7. Swathypriyadharsini P, **K Premalatha**, “Rough Fuzzy Cuckoo Search for triclustering gene expression data.”, Turkish Journal of Electrical and Computer Science Engineering 27 6 4328 - 4339 NOV 2019
8. Swathypriyadharsini PALANISWAMY, **Premalatha KANDHASAMY**, “Rough fuzzy cuckoo search for triclustering microarray gene expression data.”, Turkish Journal of Electrical Engineering 2019(27) 4328 - 4339 2019
9. K. Saranya, **K. Premalatha**, “Privacy preserving data publishing based on sanitized probability matrix using transactional graph for improving the security in medical environment”, The Journal of Supercomputing - DEC 2019
10. Vignesh V and **Premalatha K**, “Multi-QoS and interference concerned reliable routing in military information system Advances in Intelligent Systems and Computing”, 645 351 - 360 APR 2018

11. Prema, R, "Identifying Autism Bio-markers From Microarray Data Using Intuitionistic Fuzzy Normalization and Feature Selection Romanian", Biotechnological Letters - 2018
12. Prema, R, "Minimum redundancy maximum relevance with mean based ranking for biomarker gene selection in autism", International Journal of Telemedicine and Clinical Practices - 2018
13. Prema, R , "Gene selection using fuzzy discretization and rough set theory", Research journal of Pharmacy and Technology 11 10 4452 - 4457 2018
14. D. Sasikala, "Social Network Analysis for prediction of Civil Unrest: A Review International Journal of Pure and Applied Mathematics", 119 16 4389 - 4395 2018
15. **K. Premalatha**, R. Ramya, "Machine Learning Techniques for Diabetes Mellitus- A Comparative Study", Journal of Advanced Research in Dynamical and Control Systems 10 - 2018
16. Prema, R, "Two level maximum relevance-maximum significance feature selection algorithm for microarray gene expression data", Journal of Advanced Research in Dynamical and Control Systems 10 10 432 - 441 2018
17. Prema, R, "Fuzzy logic based normalization and classifier for gene expression data", Journal of Advanced Research in Dynamical and Control Systems 10 10 540 - 549 2018
18. P. Swathy Priyadharsini, **K. Premalatha**, "Comparative Study on Swarm Intelligence Techniques for Triclustering of High Dimensional Microarray Gene Expression", Journal Advanced Research in Dynamical and Control Systems 10 10 582 - 593 2018
19. V. Vignesh and **K. Premalatha**, "Multi path interference aware reliable route path establishment in mobile adhoc network environment", Journal of Cluster Computing - 2018
20. V. Vignesh and **K. Premalatha**, "Channel load based interference-aware scheduling in military communication environment Concurrency and Computation" :Practice and Experience - 2018
21. R. Balamurugan , A.M. Natarajan and **K. Premalatha**, "Cuckoo Search with Mutation for Biclustering of Microarray Gene Expression Data", The International Arab Journal of Information Technology 16 3 300 - 306 2017

- 22.C. Gunavathi, **K. Premalatha** and K. Sivasubramanian, "An Application of Clonal Selection Algorithm in Gene Selection for Cancer Classification using Microarray Data", Research Journal of Pharmaceutical, Biological and Chemical Sciences 8 1 173 - 182 2017
- 23.K. Saranya and **K. Premalatha**, "Privacy preserving data clustering using hybrid particle swarm optimization algorithm Asian Journal of Research in Social Sciences and Humanities", 7 3 601 - 619 2017
- 24.M. Anidha and **K. Premalatha**, "Integrated Cox model for survival analysis and biomarker discovery with a feature ranking technique based on z-score transformation in non-small cell lung cancer patients." Biomedical Research 25 5 1975 - 1983 2017
- 25.C. Gunavathi, **K. Premalatha** and K. Sivasubramanian, "Biomarker Selection from Gene Expression Data for Tumour Categorization using Bat Algorithm", International Journal of Intelligent Engineering and Systems 10 3 401 - 408 2017
- 26.M. Anidha and **K. Premalatha**, "An application of fuzzy normalization in miRNA data for novel feature selection in cancer classification Biomedical Research", 28 9 4187 - 4195 2017
- 27.C. Gunavathi, **K. Premalatha** and K. Sivasubramanian, "A Survey on Feature Selection Methods in Microarray Gene Expression Data for Cancer Classification Research", J. Pharm. and Tech 10 5 1395 - 1401 2017
- 28.M. Anidha and **K. Premalatha**, "An Entropy based Mean Score Feature Selection Method for Identification of Biomarkers using miRNA Expression Profiles for Cancer Classification", Asian Journal of Information Technology 16 2 206 - 211 2017
- 29.T. Keerthika and **K. Premalatha**, "An effective Feature Selection for Heart Disease Prediction with Aid of Hybrid Kernel SVM", International Journal of Business Intelligence and Data Mining 4 2 117 - 125 2017
- 30.S. Kannimuthu and **K. Premalatha**, "Stellar Mass Black Hole Optimization for Utility Mining", International Journal of Data Analysis Techniques and Strategies - 2017
- 31.Swathy Priyadharshini and **K. Premalatha**, "TrioCuckoo: A Multi Objective Cuckoo Search Algorithm for Triclustering Microarray Gene Expression Data", Journal Information Science and Engineering 34 1617 - 1643 2017

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- 34.T. Keerthika and **K. Premalatha**, “Heart Disease Prediction System using Optimal Rough-Fuzzy Classifier based on ABC”, Asian Journal of Information Technology 15 3 481 - 492 2016
- 35.M. Anidha and **K. Premalatha**, “A Hybrid Gene Selection Technique Using Improved Mutual Information and Fisher Score for Cancer Classification Using Microarrays”, International Journal of Computer, Electrical, Automation, Control and Information Engineering 10 3 554 - 557 2016
- 36.R. Balamurugan, A.M. Natarajan and **K. Premalatha**, “A Meta Heuristic Approach for Discovering Local Pattern in Gene Expression Data”, Asian Journal of Research in Social Sciences and Humanities 6 7 2304 - 2314 2016
- 37.N. Kousika and **K. Premalatha**, “An Efficient Hybrid data Perturbation Approach to Preserve Privacy”, Asian Journal of Research in Social Sciences and Humanities 6 10 453 - 461 2016
- 38.K. Saranya and **K. Premalatha**, “Private Frequent itemset mining in Smart splitting for Privacy preserving using Attribute Probability Matrix”, Asian Journal of Research in Social Sciences and Humanities 6 10 9701 - 9705 2016
- 39.R. Balamurugan, A.M. Natarajan and **K. Premalatha**, “A Modified Harmony Search Method for Biclustering Microarray Gene Expression Data”, International Journal of Data Mining and Bioinformatics 16 4 269 - 289 2016
- 40.S. Kannimuthu and **K. Premalatha**, “UP-GNIV: An Expeditious High Utility Pattern Mining Algorithm for Itemsets With Negative Utility Values”, International Journal of Information Technology and Management 14 1 26 - 42 2015

- 41.T. Anantha kumar and **K. Premalatha**, “Hand Vein Pattern Recognition using Multiple Texture Features”, The International Arab Journal of Information Technology 65 2 150 - 158 MAR 2015
- 42.R. Balamurugan , A.M. Natarajan and **K. Premalatha**, “Stellar-Mass Black Hole Optimization for Biclustering Microarray Gene Expression Data”, Applied Artificial Intelligence 29 4 353 - 381 2015
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- 46.T. Anantha Kumar, **K. Premalatha** and Natarajan A.M , “A Hand vein pattern recognition using Natural Image Statistics”, Defence Science Journal International Journal of Innovative Research in Science, Engineering and Technology 65 2 150 - 158 2015
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