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JOURNAL PUBLICATIONS:

1. Sangavi N, Jeevitha R, Kathirvel P, **Premalatha K** Impact of classification algorithms on Census dataset International Journal of Recent Technology and Engineering 5 8 2666 - 2670 JAN 2020

2. **Dr.k.Premalatha**,N.Sangavi,B.Vinothini An Analysis Of Census Dataset And Bank Dataset Using Classification Algorithms INTERNATIONAL JOURNAL OF SCIENTIFIC VOLUME 9 ISSUE 02 - FEB 2020

3. P. Swathypriyadharsini; **Dr.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

4. **Dr.K. Premalatha** Course and Program Outcomes Assessment Methods in Outcome-Based Education: A Review Journal of Education 1 - 17 JUN 2019

5. T. Keerthika and **Dr.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

6. S Kannimuthu and **Dr.K. Premalatha** Stellar mass black hole optimization for utility mining Int. J. Data Analysis Techniques and Strategies 11 3 222 - 245 JUN 2019

7. Prema R, **K.Premalatha**, Identifying Autism Biomarkers from Microarray Data using Intuitionist Fuzzy Normalization and Feature Selection Romanian Biotechnological Letters 24 3 554 - 562 JUN 2019

8. 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 High Performance Computer Design, Analysis, and Use 75 9 6106 - 6117 SEP 2019

9. 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

10. Swathypriyadharsini PALANISWAMY, **Premalatha KANDHASAMY** Rough fuzzy cuckoo search for triclustering microarray gene expression data Turkish Journal of Electrical Engineering 2019(27) 4328 - 4339 2019

11. K. Saranya **Dr.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

12. 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

13. Prema, R, **K.Premalatha**, Identifying Autism Bio-markers From Microarray Data Using Intuitionist Fuzzy Normalization And Feature Selection Romanian Biotechnological Letters - 2018

14. Prema, R, **K.Premalatha**, Minimum redundancy maximum relevance with mean based ranking for biomarker gene selection in autism International Journal of Telemedicine and Clinical Practices - 2018

15. Prema, R, **K.Premalatha**, Gene selection using fuzzy discretization and rough set theory Research journal of Pharmacy and Technology 11 10 4452 - 4457 2018

16. Prema, R, **K.Premalatha**, Gene selection using fuzzy discretization and rough set theory Journal Advanced Research in Dynamical and Control Systems - 2018

17. **K.Premalatha** , D. Sasikala, Social Network Analysis for prediction of Civil Unrest: A Review International Journal of Pure and Applied Mathematics 119 16 4389 - 4395 2018

18. **K. Premalatha**, R. Ramya Machine Learning Techniques for Diabetes Mellitus- A Comparitive Study Journal of Advanced Research in Dynamical and Control Systems 10 - 2018

19. Prema, R , **K.Premalatha** ,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

20. Prema, R, **K.Premalatha,** Fuzzy logic based normalization and classifier for gene expression data Journal of Advanced Research in Dynamical and Control Systems 10 10 540 - 549 2018

21. P. Swathypriyadharsini, **Dr.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

22. V. Vignesh and **Dr.K. Premalatha** Multi path interference aware reliable route path establishment in mobile adhoc network environment Journal of Cluster Computing - 2018

23. V. Vignesh and **Dr.K. Premalatha** Channel load based interference-aware scheduling in military communication environment Concurrency and Computation :Practice and Experience - 2018

24. R. Balamurugan , A.M. Natarajan and **Dr.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

25. C. Gunavathi, **Dr.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

26. K. Saranya and **Dr.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

27. M. Anidha and **Dr.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

28. C. Gunavathi, **Dr.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

29. M. Anidha and **Dr.K. Premalatha** An application of fuzzy normalization in miRNA data for novel feature selection in cancer classification Biomedical Research 28 9 4187 - 4195 2017

30. C. Gunavathi, **Dr.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

31. M. Anidha and **Dr.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

32. T. Keerthika and **Dr.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

33. S. Kannimuthu and **Dr.K. Premalatha** Stellar Mass Black Hole Optimization for Utility Mining International Journal of Data Analysis Techniques and Strategies - 2017

34. Swathy Priyadharshini and **Dr.K. Premalatha** Trio Cuckoo: A Multi Objective Cuckoo Search Algorithm for Triclustering Microarray Gene Expression Data Journal Information Science and Engineering 34 1617 - 1643 2017

35. R. Balamurugan , A.M. Natarajan and **Dr.K. Premalatha** Biclustering Microarray Gene Expression Data using Modified Nelder-Mead method International Journal of Information and Communication Technology 9 1 43 - 62 2016

36. Pandi, M A , **K.Premalatha** ,Cuckoo Search with Differential Evolution for Clustering Microarray Gene Expression Data, World Academy of Science, Engineering and Technology International Journal of Computer, Information, Systems and Control Engineering 10 2 334 - 339 2016

37. T. Keerthika and **Dr.K. Premalatha** Heart Disease Prediction System using Optimal Rough-Fuzzy Classifier based on ABC Asian Journal of Information Technology 15 3 481 - 492 2016

38. M. Anidha and **Dr.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

39. R. Balamurugan, A.M. Natarajan and **Dr.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

40. N. Kousika and **Dr.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

41. 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

42. R. Balamurugan, A.M. Natarajan and **Dr.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

43. S. Kannimuthu and **Dr.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

44. T. Anantha kumar and **Dr.K. Premalatha** Hand Vein Pattern Recognition using Multiple Texture Features The International Arab Journal of Information Technology 65 2 150 - 158 MAR 2015

45. R. Balamurugan , A.M. Natarajan and **Dr.K. Premalatha** Stellar-Mass Black Hole Optimization for Biclustering Microarray Gene Expression Data Applied Artificial Intelligence 29 4 353 - 381 2015

46. S.Logeswari and **Dr.K. Premalatha** Designing a Semantic Similarity Measure for Biomedical Document Clustering Journal of Medical Imaging and Health Informatics 5 6 1163 - 1170 2015

47. C.Gunavathi and **K.Premalatha** Cuckoo search optimization for feature selection in cancer classification: A new approach International Journal of Data Mining and Bioinformatics 13 3 248 - 265 2015

48. M. Pandi, **K.Premalatha** and Clustering Microarray Gene Expression Data using Enhanced Harmony Search International Journal of Bio-Inspired Computation 7 5 296 - 396 2015

49. T. Anantha Kumar, **Dr.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

50. N.B. Mahesh Kumar, **K.Premalatha** Personal-Authentication-Using-FDOST-in-Finger-Knuckle-Print-Biometrics International Journal of Computer, Control, Quantum and Information Engineering 9 1 323 - 328 JUL 2015