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Data Warehousing and Data Mining, Optimization techniques
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Publication in Journals

1	Jayaprakash M & Devi PriyaRangasamy. Load Balancing in Software-DefinedNetworks Using Spider MonkeyOptimization Algorithm for the Internet ofThings. Wireless Personal Communications, DOI 10.1007/s11277-020-07703-6. **2020 (Impact Factor : 1.06)** (Springer)
2	R Devi Priya, R Sivaraj. "Gene selection in Multi-class imbalanced microarray datasets using Dynamic Length Particle Swarm Optimization", Current Bioinformatics, Accepted for publication. **2020 (Impact Factor : 2.068)** (Bentham Science)
3	R Devi Priya, R Sivaraj, N Anitha and V Devisurya. "Forward Feature Extraction from imbalanced microarray datasets using Wrapper based Incremental Genetic Algorithm", International Journal of Bio-Inspired Computation, Accepted, Article in Press. **2020 (Impact Factor : 1.914)** (Inderscience)
4	R Devi Priya and R Sivaraj .Memetic particle swarm optimisation for missing value imputation. International Journal of Data Analysis Techniques and Strategies, Vol.11, No.3,273-289, **2019**. (Inderscience)
5	R Devi Priya, R Sivaraj and N Mohan. Multi-objective Evolutionary approach for preprocessing imbalanced microarray datasets. Computing in Science & Engineering, Vol.99, pp.1-17,**2018**.**(Impact Factor: 1.935)(IEEE)**
6	R Devi Priya and R Sivaraj "Estimation of incomplete values in heterogeneous attribute large datasets using discredited Bayesian Max-Min Ant Colony Optimization", Knowledge And Information Systems, 56/309, 309–334, **2018 (Impact Factor: 2.936) (Springer)**
7	R Devi Priya, R Sivaraj and Sasipriyaa N "Heuristically repopulated Bayesian ant colony optimization for treating missing values in large databases", Knowledge-Based Systems, Vol. 133, pp. 107 -121, **2017. (Impact Factor : 5.921) (Elsevier)**
8	R Devi Priya and R Sivaraj "Imputation of Ignorable and Non-Ignorable Missing Values in Large Datasets Using ACO with Local Search", Current Bioinformatics, Vol.13,pp.645-654, **2018 (Impact Factor : 2.068) (Bentham Science)**
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10	R Sivaraj and R Devi Priya "Bayesian based Parallel Ant System for Missing Value Estimation in large databases", International Journal of Bio-Inspired Computation, Vol. 9,No. 2,pp.114-120, **2017. (Impact Factor : 3.395) (Inderscience)**
11	R Devi Priya and R Sivaraj "Dynamic Genetic Algorithm based Feature selection and incomplete value imputation for microarray classification", Current Science, Vol. 112, No. 1,pp. 126 -131, **2017**.**(Impact Factor : 0.843)(Indian Acad Sciences)**
12	R Devi Priya and R Sivaraj "Preprocessing of Microarray gene expression data for classification by Adaptive Feature selection and imputation of non-ignorable missing values", International Journal of Data Mining and Bioinformatics, Vol. 16, No 3, pp183-204, **2016**. **(Impact Factor : 0.772) (Inderscience)**
13	R Devi Priya and R Sivaraj "Imputation of Discrete and Continuous Missing Values in Large

	Datasets Using Bayesian Based Ant Colony Optimization", Arabian Journal for Science and Engineering, Vol. 41, No 12, pp 4981- 4993, Dec **2016**. **(Impact Factor : 1.711) (Springer)**
14	N.Mohan, R. Sivaraj and R. Devi Priya "A Comprehensive review of Bat Algorithm and its applications to various optimization problems", Asian Journal Of Research in Social Sciences And Humanities, Vol.6, No.11, pp.676-690, Nov **2016**.
15	R Devi Priya, S Kuppuswami and R Sivaraj "BAGEL- A non-ignorable missing value estimation method for mixed attribute datasets", Sadhana - Academy Proceedings in Engineering Science, Vol. 41, No 8, pp 825-836, Aug **2016**. **(Impact Factor : 0.849) (Springer)**
16	R Devi Priya "BAGEL - A Novel Hybrid Technique for Missing Value Estimation in Mixed Attribute Datasets", AI Communications, Vol.29, No.2, pp.395-396, **2016**. **(Impact Factor : 1.00) (IOS Press)**
17	R.DeviPriya and S.Kuppuswami. A Novel Approach for Imputation of Missing Continuous attribute values in databases using Genetic Algorithm", International Journal of Information Technology and Management, Vol.14,No.2/3, pp.185-200. **(Inderscience) (SJR – 0.13)**
18	R.DeviPriya, S.Kuppuswami and R.Sivaraj. "Bayesian based inference of missing time series values using Genetic Algorithm", International Journal of Hybrid Intelligent Systems, Vol.12, No.4, pp.77-87, **2015**. **(IOS Press) (SJR-1.3)**

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1. Book Chapter titled Prediction of High-Risk Factors in Surgical Operations Using Machine Learning Techniques" in "Handbook of Research on Applications and Implementations of Machine Learning Techniques" IGI Global Publications, 2019.
2. Karthika K., Devi Priya R., Sathishkumar S. Survey on privacy-preserving and other security issues in data mining, Lecture Notes in Networks and Systems, 89, 849-858, 2020.
3. Sathishkumar S., Devi Priya R., Karthika K. Survey on data mining and predictive analytics techniques. Lecture Notes in Networks and Systems, 89, 971-981, 2020.