Publications:

- P Kumar, R Madhumathi, PR Chelliah, L Tao, S Wang, A novel digital twin-centric approach for driver intention prediction and traffic congestion avoidance Journal of Reliable Intelligent Environments 4 (4), 199-209-2018.
- Reshma Sultana, S., Sindhu Meena, K., Efficient auto-scheduler for teaching application in green cloud computing Journal of Green Engineering, 2020, 10(4), pp. 1493-150.
- Kowshalya, A.M., Madhumathi, R., Gopika, N., Correlation Based Feature Selection Algorithms for Varying Datasets of Different Dimensionality, Wireless Personal Communications, 2019, 108(3), pp. 1977-1993
- R Radhakrishnan.R.Madhumathi, A resource allocation strategy in cloud using Roulette Wheel Selection method, Green Computing and Internet of Things (ICGCIoT), 2015.
- R.Madhumathi, Priority Queue Scheduling Approach for Resource Allocation in Cloud Asian journal of Information Technology 15 (3), 472-480,2016
- R Madhumathi, R Radhakrishnan, S Balagopalan, Dynamic resource allocation in cloud using bin-packing technique, 2015 International Conference on Advanced Computing and Communication.
- R Madhumathi, R RadhaKrishnan, S Kumar, K Abineshkumar, M Karthi, Bidding application in Amazon web services for the sales of agricultural products,2016 International Conference on Recent Trends in Information Technology.2016
- R. Madhumathi, R. Radhakrishnan, Dynamic Resource Provisioning for the Cloud using Bin Packing Technique, International Journal of Research and Scientific Innovation 2 (X), 169-173, 2015
- M Kowshalya, R Madhumathi, N Gopika, Correlation Based Feature Selection Algorithms for Varying Datasets of Different Dimensionality, Wireless Personal Communications 108 (3), 1977-1993
- R Madhumathi, Elucidating Farmers towards Smart Agricultural Farm Building through Cloud Model, 2019 10th International Conference on Computing, Communication .
- R Madhumathi, The Relevance of Container Monitoring Towards Container Intelligence, 2018 9th International Conference on Computing, Communication and Networking, 2019.
- R Madhumathi, R Dharshana, R Sulthana, N Kalaiyarasi, A Comprehensive Survey of IoT Edge/Fog Computing Protocols, Handbook of Research on Cloud and Fog Computing Infrastructures for Data, 2018.
- R. Madhumathi, Rank Based Web Service Aggregation International Journal of Computer Applications in Engineering Sciences 2018.
- R Madhumathi,T Arumuganathan,R Shruthi,Soil NPK and Moisture analysis using Wireless Sensor Networks 2020 11th International Conference on Computing, Communication.
- P Dwivedi, C Shraddha, S Mathews, S Majumder, R Madhumathi, Predicting Language Endangerment: A Machine Learning Approach, 2020 11th International Conference on Computing, Communication.

- R Madhumathi, N Kalaiyarasi, Credit Based Multilevel Queue Scheduling in Cloud Environment 2018 International Conference on Communication, Computing and Internet of Things.
- R Madhumathi, R Sultana, R Dharshana, Smart water atm in India using cloud model, 2017 International Conference on Advances in Computing, Communications.
- R Madhumathi, H Dhivya, R Manjula, S Bharathi, Crop Yield Forecasting for Certain Agriculture Products and Marketing, International Journal of Algorithms Design and Analysis 2 (1), 7-13,2017.
- R Madhumathi, Development of an Artificial Intelligence based Agriculture Distance Education Model for Prediction of Crop Price and Yield Levels in India, Asian Journal of Distance Education 12 (1), 69-78, 2017.
- R Madhumathi, R Radhakrishnan, User's priority focused resource provisioning over cloud computing infrastructure, International Journal of Grid and Utility Computing 8 (4), 357-364, 2017.
- R Madhumathi, R Rathinavel, S Sadhasivam, R Sultana, Clustering Based User Preference Resource Scheduling in Cloud Computing, International Conference on Smart Trends for Information Technology 2017.