

Dr. Mohanasundaram Ranganathan

PUBLICATIONS – SCI/SCOPUS/WOS INDEXED:

1. **Dr.Mohanasundaram. R** Muhamed Rasit Atelge; A.E. Atabani, Rajesh Banu, David Krisa; Mustafa Kaya, Cigdem Eskicioglu, Gopalakrishnan Kumar, Changsoo Lee, Y.Ş. Yildiz, Sebahattin Unalan, Fatih Duman, “A Critical Review of Pretreatment Technologies to Enhance Anaerobic Digestion and Energy Recovery”, FUEL, Volume 270, 15 June 2020, (<https://doi.org/10.1016/j.fuel.2020.117494>).
2. **Dr.Mohanasundaram R**, Manjunatha H C, “BNADS: Big data Node Anomaly Detection in Social Networks”, International Journal of Control and Automation, Vol. 13, No. 3, (2020), pp. 09-16.
3. **Dr.Mohanasundaram R**, Manjunatha H C, “BMADSN: Big data multi-community anomaly detection in social networks”, International Journal of Electrical Engineering & Education (IJEED), December 4, 2019
4. **Dr.Mohanasundaram, R.** Deepak Raj, D.M., (2019), ‘A new improved filter-based feature selection model for high-dimensional data’, The Journal of Supercomputing 75, doi: Dr.10.1007/s11227 – 019 – 02975 – 7.
5. **Dr.Mohanasundaram, R.** and Deepak Raj, D.M. (2019), ‘An Efficient Filter Based Feature Selection Model to Identify Significant Features from High Dimensional Microarray Data’, Arabian Journal for Science and Engineering, doi.org/10.1007/s13369 – 020 – 04380 – 2.
6. **Dr.Mohanasundaram, R.** and Deepak Raj, D.M. (2019), ‘An Improved Univariate Feature Selection Model for Classification of Microarray Data’, Journal of Advance Research in Dynamical and Control Systems 11(8), 2407–2418.
7. **Dr.R.Mohanasundaram, R.** Arun, K.R. Jothi, Ankit Malhotra, M.P. Gopinath and R. Lokeshkumar, “Web application for Accident Emergency in Nearby Hospitals and Donor Locator”, Biosci. Biotech. Res. Comm. Special Issue Vol 12 No (2), ISSN: 2321-4007, March 2019.
8. **Dr.Mohanasundaram R**, Manjunatha H C, “BRNADS: Big data Real-Time Node Anomaly Detection in Social Networks”, International Conference on Inventive Systems and Control (ICISC), June 28, 2018.
9. **Dr.R.Mohanasundaram**, and R. Prathap “Electronic Health Records (EHR) and Cloud Protection: The Present Problems”, Journal of Computational and Theoretical Nanoscience, ISSN: 1546-1963, Vol. 15, pp.2227–2232, June 2018.
10. **Dr.R. Mohanasundaram**, Anirudh Batra, Kashish Arora, and Adwaith Sreekumar, “Internet of Things Based Cooperative Hazard Awareness and Avoidance System for Safer Roads and Prevention of Traffic Jams Due to Accidents, Journal of Computational and Theoretical Nanoscience, Vol. 15, 2466–2470, June 2018.

11. **Dr.R. Mohanasundaram**, S. Divya, Adwaith Sreekumar, M. Srinivasan, “Web Application Trap Password for Safe Online Transactions”, Journal of Computational and Theoretical Nanoscience, Vol. 15, 2461–2465, June 2018.
12. **Dr.R. Mohanasundaram**, J. Bagiya, Adwaith Sreekumar, P. V. Vidya Varshini, “Automated Task Assignment on Multi-Skill Oriented Spatial Crowd Sourcing”, Journal of Computational and Theoretical Nanoscience, Vol. 15, 2364–2368, June 2018.
13. **Dr.R.Mohanasundaram** Shivin Sinha, Arpit Singhal, , H. Abdulgaffar and Navin Kumar, “Communication System for Vocationally and Visually Disabled People Using Embedded System”, Journal of Computational and Theoretical Nanoscience, Vol. 15, 2082–2088, June 2018.
14. **Dr.Mohanasundaram R**, N. Suresh Kumar, V.Ashok, Poorani.S, “Congestion Control Using Congestion Free Routers”, International Journal of Pure and Applied Mathematics, ISSN: 1314-3396, Volume 117, No. 15, pp 287-298, December 2017.
15. **Dr.R.Mohanasundaram**, M. Thenmozhi, AdwaithSreekumar, K.S. ArunAdithyan, “Reduction of Data Redundancy Using Data Aggregation in Wireless Sensor Networks”, International Journal of Pure and Applied Mathematics, Volume 117, No. 15, pp 299-312, December 2017.
16. **Dr.R.Mohanasundaram** M.P.Gopinath, G.S. Tamilzharasi, S.L.Aarthy “ An Analysis and Performance Evaluation of NOSQL Databases for Efficient Data Management in E-Health Clouds”, International Journal of Pure and Applied Mathematics, Volume 117, No. 21, pp 177-197, December 2017.
17. **Dr.R Mohanasundaram** Sujatha R, Dr Xhian-Zhi Gao, M P Gopinath, S Prabu, S Murali, , N Suresh Kumar, “**A Computer Aided System To Detect Breast Masses Using Digital Mammograms**”, International Journal of Civil Engineering and Technology (IJCIET), Volume 8, Issue 12, December 2017, pp. 309–315.
18. **Dr.Mohanasundaram.R**, Shraddha Chaturvedi, Brijkishore Dutt, Rishabh Sudan, , “Cloud Based Weather Monitoring System”, Jour of Adv. Research in Dynamical and Control Systems, Vol: 9 SI: 6, pp:298-308, 2017.
19. **Dr.R.Mohanasundaram**, V.Ashok, P.P.Janarthanan, , “Certain Investigations On EC-A Algorithm For Energy Minimization In Multiprocessor Systems”, Jour of Adv. Research in Dynamical and Control Systems, Vol: 9 SI: 6, pp: 281-290, 2017.
20. **Dr.R.Mohanasundaram** M.P.Gopinath, S.L.Aarthy, S.Prabu, , “Visualising The Extracted Features Of Face Images Using LBP and LTP”, Jour of Adv. Research in Dynamical and Control Systems, Vol: 9 SI:6, pp:254-262, 2017.
21. **Dr.Mohanasundaram** Dr.A.Jayanthiladevi, , Dr. K. Sakthivel, “E-Agricultural Market”, International Journal of Control Theory and Applications, 9(28), pp. 1-8, 2016.
22. **Dr.R.Mohanasundaram**, Atana Iyer D, Suganthi A, “A Gas leakage detection system based on Embedded systems”, International Journal of Pharma and Bio Sciences ISSN 6299-0975 special issue in computational biological data science, June 2016, pp. 68-72.

23. **Dr.R.Mohanasundaram** P.Anitha, P.S.Periasamy, "Optimization Methods for Data Storage Position in Wireless Sensor Networks: A Survey", Asian Journal of Information Technology Medwell Journals, (ISSN: 1993-5994), Vol 15, Issue: 13, pp. 2238-2243, 2016.
24. **Dr.R.Mohanasundaram**, P.S.Periasamy, "A Meta heuristic Algorithm for Optimal Data Storage Position in Wireless Sensor Networks", Pakistan Journal of Biotechnology (ISSN: 1812-1837), special issue on Innovations in information Embedded and communication Systems) Pp. 463- 468 (2016).
25. **Dr.Mohanasundaram Ranganathan** and Pappampalayam Sanmugam Periasamy. "Hybrid Swarm Intelligence Optimization Approach for Optimal Data Storage Position Identification in Wireless Sensor Networks." The Scientific World Journal 2015 (2015).
26. **Dr.Mohanasundaram R**, P.S.Periasamy, "Clustering Based Optimal Data Storage Strategy Using Hybrid Swarm Intelligence In WSN", Wireless Personal Communications, SPRINGER 2015
27. **Dr.R.Mohanasundaram**, P. S. Periasamy "Swarm Based Optimal Data Storage Position Using Enhanced Bat Algorithm In Wireless Sensor Networks" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 2 (2015) pp. 4311-4328.