

**Dr.R.Murugeswari M.E., Ph.D.**

Associate Professor / Department of Computer Science and Engineering,

Kalasalingam Academy of Research and Education, Krishnankoil – 626126, Tamil Nadu, India.

E-Mail: murugesananth@gmail.com,

Mobile: +91-9942350688

**RESEARCH PAPER PUBLISHED IN INTERNATIONAL JOURNAL:**

1. J.Ramkumar, R.Murugeswari , Fuzzy Logic Approach for Detecting Black Hole Attack in Hybrid Wireless Mesh Network, International Journal of Innovative Research in Science, Engineering and Technology, vol.3, issue3, pp.877-882, 2014.
2. R.Murugeswari, S.Radhakrishnan, "Reliable Data delivery for Emergency and Disaster Recovery in Wireless Mesh Network" International Conference on Information Communication & Embedded Systems (ICICES 2014), [ Available in IEEE Explore February 2015]
3. R.Murugeswari, S.Radhakrishnan, " Discrete Multi-objective Differential Evolution Algorithm for routing in Wireless Mesh Network",, Soft Computing - A Fusion of Foundations, Methodologies and Applications Volume 20 Issue 9, ,Pages 3687-3698 , 2015 Springer-Verlag Berlin, Heidelberg **IF- 3.643]**
4. M.Agnes Thivya , R.Murugeswari , "Joint QoS Channel Assignment and Multicast Routing in Wireless Mesh Network using Discrete Particle Swarm Optimization", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.59, pp 390-394, 2015
5. R.Murugeswari, S.Radhakrishnan, D.Devaraj, "Multi-objective evolutionary algorithm based QoS routing in Wireless Mesh Network", **Applied Soft Computing** , vol.40, pp.517-525, 2016 [**IF- 5.472]**
6. R.Murugeswari, D.Devaraj " Multiconstrained QoS multicast routing using Discrete Particle Swarm Optimization", Springer Artificial Intelligence and Evolutionary Computations in Engineering Systems, Advances in Intelligent Systems and Computing, pp.847-859, 2017.

7. S.Saranyadevi, R.Murugeswari, K.Kanchandevi, “Association Rule Mining using Fuzzy Context free Grammar”, International Journal of pure and applied Mathematics, vol.120, no.6, pp.17-30, 2018
8. G. Elizabeth Rani , R.Murugeswari, M.Sakthimohan,”The Innovative Secrecy Measure for Data Broadcasting” IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS) 23-25 March 2017 [ Available in IEEE Explore March2018]
9. S Saranyadevi, R Murugeswari And S Bathrinath,”Road risk assessment using fuzzy Context-free Grammar based Association Rule Miner”. Sadhana , vol.44, no.6, 2019. **IF:0.769**
10. T. Manjunath Kumar, R. Murugeswari ,”Predicting Faculty Performance in Higher Education using Machine Learning” International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, pp. 9472-9478 , 2019
11. R. Murugeswari, T. Manjunath Kumar, D. Devaraj , P. Karthika , “Deep Learning based Sentiment Analysis for Social Media Network”, International Journal of Engineering and Advanced Technology (IJEAT) , Volume-9 Issue-1S4, December 2019
12. Saranyadevi, S., Murugeswari, R., Bathrinath, S.,” Association Rule Mining for Rainfall Prediction Using Fuzzy Context-free Grammar.”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 08-Special Issue, 2019 (**Scopus indexed**)
13. R.Murugeswari , G.Elizabethrani, G. Rama Sakthi, B. Atchaiya “PHISHSTORM: Detection Mechanism for Finding the Phishing and Legitimate Websites by Implementing the Search Engine”, International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4S2, 2019
14. P.Karthiga, R.Murugeswari, R.Manoranjithem “Sentiment Analysis of Social Media Network Using Random Forest Algorithm” IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), 11<sup>th</sup> -13<sup>th</sup> April 2019. [ Available in IEEE Explore January 2020]
15. G.Elizabeth rani, R.Murugeswari,N.Rajini,”A Quantitative analysis of void detection in Scanning Electron Microscopic images using Machine learning”, International journal of Advanced science and Technology, vol.29,no.5,pp.9656-9666, 2020

16. S.Saranyadevi, R.Murugeswari, S.Bathrinath,“Fuzzy logic based Recommendation system for Road Accident Data Analysis,” , IEEE international Conference on Intelligent Techniques in Control, Optimization and signal processing “, 11<sup>th</sup> -13<sup>th</sup> April 2019. [ Available in IEEE Explore January 2020]
17. G Elizabeth Rani ,R.Murugeswari,”Edge Detection in Scanning Electron Microscope (SEM) Images using Various Algorithms” 4th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS) ,pp 401-405, 13-15 May 2020 [ Available in IEEE Explore June 2020]
18. G Elizabeth Rani ,R.Murugeswari,”Edge Detection in Scanning Electron Microscope (SEM) Images using Various Algorithms” 4th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS) ,pp 401-405, 13-15 May 2020 [ Available in IEEE Explore June 2020]
19. S.Saranyadevi, R.Murugeswari, S. Bathrinath and M. S. Sabitha “Hybrid Association Rule Miner Using Probabilistic Context-Free Grammar and Ant Colony Optimization for Rainfall Prediction” AISC 940, pp. 683–695, 2020. Springer Nature Switzerland AG 2020
20. T.Manjunath kumar , R.Murugeswari,D.Devaraj, J.Hemalatha “Comparison of Deep Learning And Random Forest For Rumor Identification In Social Network”, International Conference on Innovative Computing and Communications, Springer Advances in Intelligent Systems and Computing, pp. 133-146, 2020
21. A.Japne, R.Murugeswari,”Opinion Mining based complex polarity shift pattern handling for improved sentiment classification” International Conference on Inventive Computation Technologies (ICICT) ,pp 323-329, 26-28 Feb. 2020.[ Available in IEEE Explore June 2020]
22. S Saranyadevi, R Murugeswari and S Bathrinath,” A Context-free Grammar based Association Rule Mining Technique for Network Dataset”, Journal of Physics: Conference Series, 2021[Scopus Indexed]
23. R.Murugeswari, R.Kannan, K.Ananthakumar,”Optimization Of Adsorption Of Congo Red By Corn Cob Powder Using Support Vector Machine”, Journal of physics,2021.