

## **LIST OF PUBLICATIONS (2015-2020) by Dr.UMADEVI K.S**

1. Jeyapriya, J., and **Umadevi. K.S.** An Efficient Method for Identification of Severity Level in Diabetic Retinopathy Using Deep Neural Networks, Journal of Critical Reviews, Vol. 7, No. 19, pp. 2029-2036, 2020.
2. Bhardwaj.S, Geraldine Bessie Amali.D., Phadke.A, **Umadevi.K.S,** Balakrishnan.P. A new parallel galactic swarm optimization algorithm for training artificial neural networks, Journal of Intelligent & Fuzzy Systems, Vol. 1, pp.1-11, 2020.
3. Jeyapriya, J., and **Umadevi. K. S.** Detection of exudates using neuro-fuzzy technique. The International Journal of Electrical Engineering & Education, 2020.
4. **Umadevi. K. S.,** Balakrishnan, P., and Kousalya, G. Intrusion detection system using timed automata for cyber physical systems. Journal of Intelligent and Fuzzy Systems, pp. 1-11, 2019.
5. Bhanuteja Yada, Geraldine Bessie Amali D, **Umadevi. K.S.** Identification of Web Risks in the Application layer using Machine Learning Techniques. International Journal of Recent Technology and Engineering, Vol. 8, No. 1, 2019.
6. Basil K Varghese, Geraldine Bessie Amali D, **Umadevi. K.S.** Prediction of Parkinson's Disease using Machine Learning Techniques on Speech dataset. Research J. Pharm. and Tech. Vol. 12, No. 2, pp. 1-5, 2019.
7. J Jeyapriya, **K.S Umadevi.** R Jagadeesh kannan, Automated Detection of Microaneurysms using Probabilistic Cascaded Neural Network, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 11, No. 3, Institute of Advanced Engineering and Science, Indonesia, 2019.
8. **Umadevi. K. S.,** Ghosh, A., and Sam, S. A. A classification algorithm to reduce data redundancy in wireless sensor networks. Advanced Science Letters, Vol. 24, No. 8, pp. 6020-6024, 2018.
9. **Umadevi. K. S.,** Swathi, H. R., Singhal, S., and Himanshu, S. S. Associative Cluster Head Based Fault Recovery Method for Wireless Sensor Networks. Advanced Science Letters, Vol. 24, No. 8, pp. 6025-6029, 2018.
10. **Umadevi. K. S.,** Shah, V., and Desai, U. Node Deployment Using Virtual Force with Particle Swarm Optimization in WSN. Advanced Science Letters, Vol. 24, No. 8, pp. 6017-6019, 2018.
11. **Umadevi. K. S.,** Ghosh, A., Menon, A., and Nanaware, M. Secure Key

Distribution in Wireless Sensor Networks. Advanced Science Letters, Vol. 24, No. 8, pp. 6013-6016, 2018).

12. **Umadevi K.S.**, Thangavelu A. C-DAM: Contention based distributed reservation protocol allocation algorithm for WiMedia medium access control. Journal of Engineering Science and Technology Vol. 12, No. 7, pp. 1988 – 1998, 2017.
13. **Umadevi K.S.**, Thangavelu A. Survey on Research Advancements in WiMedia MAC protocol. International Journal of Engineering and Technology Innovation. Vol. 7, No. 1, pp. 61 – 68, 2017.
14. **Umadevi. K.S.**, and Thangavelu, A. DCRM RP: Distributed Cooperative Relay-based Multihop Routing Protocol for WiMedia networks. International Journal of High Performance Computing and Networking, Vol. 10, No. (1-2), pp.127-133, 2017.
15. **Umadevi. K.S.**, and Arunkumar, T. Providing an optimal QoS using demand-based distributed reservation protocol allocation algorithm for WiMedia medium access control. International Journal of Information and Communication Technology, Vol. 10, No. 2, pp.218-227, 2017.
16. **Umadevi. K.S.**, and Jeyapriya, J. Cascaded Neural Network Based Automated Detection of Diabetic Retinopathy. Indian Journal of Public Health Research & Development, Vol. 8, No. 4, pp.1322-1328, 2017.
17. **Umadevi. K.S.**, Resource Allocation using Multicommodity Flow for Next Generation Networks, Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, pp. 1092 - 1098, 2017.
18. Senthilkumar.R, **Umadevi.K.S.**, Abdul Gaffar.H. Water Quality Monitoring using Wireless Sensor Network – An Overview, Journal of Advanced Research in Dynamical and Control Systems, Vol. 12, pp. 1086 - 1091, 2017.
19. **Umadevi K.S.**, Abdul Gaffar H. An optimal method of relay selection in wireless body area network using firefly algorithm. International Journal of Pharmacy and Technology, Vol. 8, No. 4, pp. 25118 – 25125, 2016.



