

### **Publications of Dr.M.A.Bhagyaveni in last 5 years**

1. Kalidoss, R., Bhagyaveni, M. A., & Ahmed, A. H., "A Location Based Duplex Scheme for Cross Time Slot Interference Reduction in (IEEE 802.22) Cognitive Radio Based Wireless Regional Area Networks (WRAN)", Arab Gulf Journal for Scientific Research, Vol. 33, Issue 1, pp. 36-46 (2015).
2. Syed Moinuddin Bokhari. B, Bhagyaveni M.A, "Lattice Reduction Aided- Zero Forcing MIMO Detection using two Stage QR-Decomposition", International journal of Engineering Research and technology, published by IJERT. Vol. 3, Issue 16, (2015).
3. K. Rajeswari and M. A. Bhagyaveni, "Cooperative Node Selection in Virtual MIMO Based Wireless Sensor Network Using Maximum A posteriori Estimation", ARPN Journal of Engineering and Applied Sciences, published by Asian Research Publishing Network (ARPN). Vol. 10, Issue 20, pp. 9287-9291 (2015).
4. M Subhashini, P Latha, MA Bhagyaveni, " Determining The Modulation Index and Switching Angles as a Mitigation Technique for Elimination of Harmonic Distortion Elimination In Cascaded-H-Bridge Multilevel Inverter Fed", International Journal of Technological Research In Engineering, published by International Journal For Technological Research I. Vol. 2, Issue 7, pp. 1285-1290 (2015).
5. X. Anita, M. A. Bhagyaveni, J. MartinLeo Manickam, " Collaborative Lightweight Trust Management Scheme for Wireless Sensor Networks", Wireless Personal Communications, published by Springer. Vol. 80, Issue 1, pp. 117-140 (2015).
6. M. Subhashini , P. Latha, M. A. Bhagyaveni, "Implementation of a Solar Photo Voltaic Module in Cascaded H-Bridge Multilevel Inverter Controlled by Xilinx System Generator Tool", International Journal For Technological Research In Engineering, published by International Journal For Technological Research I. Vol. 2, Issue 7, pp. 1291-1295 (2015).
7. K. Chanthirasekaran, M.A. Bhagyaveni and L. Rama Parvathy, "Multi-Parameter Based Scheduling for Multi-user MIMO Systems", Journal of Electrical Engineering & Technology, published by Journal of Electrical Engineering & Technology. Vol. 10, Issue 6, pp. 709-718 (2015).
8. M. Subhashini , P. Latha, M. A. Bhagyaveni, " Design And Implementation of a Cascaded H-Bridge Multilevel Inverter By FPGA Controller for Photo Voltaic Application", International Journal For Technological Research In Engineering, published by www.ijtre.com. Vol. 2, Issue 7, pp. 633-637 (2015).
9. M. Subhashini , P. Latha, M. A. Bhagyaveni, "Comparative Analysis of Harmonic Distortion of a Solar PV Fed Cascaded H-bridge Multilevel Inverter Controlled by FPGA and Diode Clamped Inverter", Indian Journal of Science and Technology, published by Indian Journal of Science and Technology. Vol. 8, Issue 16, pp. 1-8 (2015).
10. R.K.Mugelan, P.Thilaga, M.A.Bhagyaveni, "EVM based performance analysis of LTE downlink & its real-time evaluation using WARP", International Journal of Applied Engineering Research,, Vol. 10, Issue 2, pp. 2401-2418 (2015).
11. Mugelan.R.K, Chanthirasekaran.K, Bhagyaveni.M.A, "Enhanced Power Efficient Antenna Switching (EPEAS) for QoS Improvement of LTE Downlink", International Journal of Advanced Engineering Technology, published by technical Journals Online. Vol. 7, Issue 1, pp. 509-515 (2016).

12. Sriramachandra Murthy Budaraju, Bhagyaveni Marcharla Anjaneyulu, " Universal Band Pass Sampling Algorithm for Integration of Multiple Wireless Technologies Using Software Defined Radio Platform", Circuits and Systems, published by Scientific Research Publishing Inc. pp. 497-405 (2016).
13. Balamurugan Gopalakrishnan, Marcharla Anjaneyulu Bhagyaveni, "Random codekey selection using codebook without pre-shared keys for anti-jamming in WBAN", Computers and Electrical Engineering, published by Elsevier. Vol. 51, pp. 89-103 (2016).
14. Mugelan Ramakrishnan Kuppusamy, Syed Moinuddin Bokhari, and Bhagyaveni Marichala Anjaneyalu, " Error VectorMagnitude (EVM)-Based Constellation Combiner for Cooperative Relay Network", IEEE COMMUNICATIONS LETTERS, published by IEEE. Vol. 20, Issue 2, pp. 304-307 (2016).
15. T.Sasikala, M.A. Bhagyaveni, V. Jawahar Senthil Kumar, "Cross layered adaptive rate optimised error control coding for WSN", Wireless networks, published by Springer US. Vol. 22, Issue 6, pp. 2071-2079 (2016).
16. T. Senthil Kumar and M.A.Bhagyaveni, "Customer friendly Fast and Dynamic Handover in Heterogeneous Network Environment ", International Journal of Computer Science and Information Security (IJCSIS) , Vol. 14, pp. 64-73 (2016)
17. Lavanya S, Fenila janet, M.A.Bhagyaveni, "Design of Cooperative Spectrum Sensing based spectrum access in CR networks using game theory", International Journal of Computer Science and Information Security (IJCSIS) , Vol. 14, pp. 1-10 (2016).
18. Bhagyaveni, M.A, "MAP Based V-BLAST Transmission to Improve Network Lifetime in Virtual MIMO Based Wireless Sensor Networks. ", Natl. Acad. Sci. Lett., Vol. 40, pp. 409-414 (2017) (2017).
19. Lavanya, S., & Bhagyaveni, M. A, "Design of SOP based cross-layered opportunistic routing protocol for CR ad-hoc networks", Wireless Personal Communications, published by Springer US. Vol. 96, Issue 4, pp. 6543-6556 (2017).
20. Sriramachandra MurthyBudaraju,, " A novel energy detection scheme based on channel state estimation for cooperative spectrum sensing", Computers & Electrical Engineering, published by Elsevier. Vol. 57, pp. 176-185 (2017).
21. Balamurugan Gopalakrishnan and M. A. Bhagyaveni, "Anti-jamming communication for body area network using chaotic frequency hopping," IET Healthcare Technology Letters, , published by IET. pp. pp. 233-237, (2017).
22. Lavanya, S., & Bhagyaveni, M. A., "EVM based rate maximized relay selection for cooperative cognitive radio networks", AEU-International Journal of Electronics and Communications, published by ELSEVIER GMBH, URBAN & FISCHER VERLAG. Vol. 104, pp. 86-90 (2018).
23. Sasikala, T., R. Arunchandar, M. A. Bhagyaveni, and M. Shanmuga Priya., "Design of Dual-Band Antenna for 2.45 and 5.8 GHz ISM Band", National Academy Science Letters, published by Springer India. Vol. 42, Issue 3, pp. 221-226 (2018).
24. Mugelan, R. K., & Bhagyaveni, M. A., "Performance Enhancement of Multi-Antenna Relay Link in LTE Het-Net", Journal of Communications Technology and Electronics, , published by Pleiades Publishing. Vol. 63, Issue 11, pp. 1286-1295 (2018).

25. Lavanya.S, Madhumita. J, Marcherla Anjaneyulu Bhagyaveni, "'Opurtunistics cognitive multicast routing for ad hoc network", Australian journal of Basic and Applied science, , Issue 1, pp. pp.15-21 (2018).
26. Manimegalai, M., Bhagyaveni, M.A., "A Method to Enhance the Throughput of Cognitive Radio Network Using Kullback Leibler Divergence with Optimized Sensing Time (KLDOST).", Wireless Pers Commun, Vol. 109, pp. 1645-1660 (2019).
27. S. Venkatesan , R.Maris ,M. A Bhagyaveni , V.Pushpalatha, "Spectrum Agility With Improved Energy Detector For Cognitive Radio Networks", CARIBBEAN JOURNAL OF SCIENCE, Vol. 53, Issue 1, pp. 971-980 (2019).
28. Syed Moinuddin Bokhari, B."Dual QR decomposition in K-best sphere detection for Internet of Things networks. ", Cluster Comput , Vol. 22, pp. 7713-7723 (2019).
29. "IOT-ENABLED GREEN CAMPUS ENERGY MANAGEMENT SYSTEM", International Journal of Embedded Systems and Applications (IJESA), , Issue 2, pp. pp 21-35 (2019) (2019).
30. Bala Vishnu, J., Bhagyaveni, M.A., "Energy Efficient Cognitive Radio Sensor Networks with Team-Based Hybrid Sensing. ", Wireless Pers Commun , published by springer. Vol. 109, pp. 1645-1660 (2019).