

### **List of Papers / Publications of Dr. B. Ramachandran (2015 to 2020)**

1. Bashyam S and Ramachandran B, "Design and Analysis of Fractal Based Monopole Antenna Backed with Modified Jerusalem Cross Frequency Selective Surface", Journal of Mobile Networks and Applications, Springer Nature, 2020, <https://doi.org/10.1007/s11036-020-01511-9> (IF 2.39)
2. R.Guhan, U.Hari, and B.Ramachandran, "Enhancement of QoS Parameters in Cluster-based Wireless Sensor Networks using Co-operative MIMO", Wireless Communication Networks and Internet of Things, Lecturer Notes in Electrical Engineering 493, pp 187-195, 2019. Springer Nature, Singapore. (SNIP : 0.160)
3. B.V.N. Kaparathi, D. Anand, AniruthOjha, B.Ramachandran, and D.K. Ojha, "Design and Implementation of Telemetry Encoder for Light weight Balloon Payloads", International Research Journal of Engineering and Technology, Vol.6, No.4, pp 4844-4848, April 2019.
4. NeelaveniAmmal, B.Ramachandran, and P.H.Rao, "Printed Planar Monopole Antenna Design for Ultra-Wideband Communications", Radioelectronics and Communications Systems, Vol. 61, No. 6, pp 267-273, Allerton Press Inc., 2018. (SNIP : 0.361) (IF : 0.167)
5. C.Amali, and B.Ramachandran, "Enabling Key Technologies and Emerging Research Challenges Ahead 5G Networks: An Extensive Survey", International Journal on Informatics Visualization, Vol.:2, No. 3, pp 134-146, 2018
6. C.Amali, J.Dhanashree and B.Ramachandran, "An Analytical Solution based on Mobility and Multicriteria Optimization for Access Selection in Heterogeneous Environment", Sadhana-Academic Proceedings in Engineering Sciences, Springer-Indian Academy of Sciences publications, Sep 2017. (IF : 0.465)
7. M.Neelaveni Ammal, B.Ramachandran, and P.H.Rao, "WiMAX and X- Band Satellite Communication Services Rejection of Printed Monopole UWB Antenna" International Journal of Microwave and Optical Technology, Vol. 12, No. 5, pp , Sep 2017. (SNIP : 0.165)
8. G. Santhosh Kumar, S. Bashyam and B. Ramachandran, " Specific Absorption Rate Analysis of Aperture Coupled Antenna for Wireless Body Area Network Applications" Indian Journal of Science and Technology, Vol 9(38), October, 2016.(SNIP : 1.2)
9. M.Neelaveni Ammal, B.Ramachandran, and P.H.Rao, "Printed Ultra-Wideband Monopole U-slotted Antenna for Triple Band-Rejection", DOI: 10.1080/ 09205071 .2016. 1202782, Journal of Electromagnetic Waves and Applications, Taylor and Francis, July 2016. (Impact Factor :0.772)

10. M.Neelaveni Ammal, B.Ramachandran, and P.H.Rao, "A micro strip Fed UWB Printed Monopole Antenna for WiMAX Band-Rejection" International Journal of Microwave and Optical Technology, Vol. 11, No. 5, pp 325-338, Sep 2016. (SNIP : 0.165)\*
11. M.Neelaveni Ammal, B.Ramachandran, and P.H.Rao, "Ultra-wideband Planar Monopole Antenna with WiMAX and WLAN Band Rejection Characteristics", International Journal on Communications Antenna and Propagation, Vol. , No. , pp , Feb 2016.(SNIP : 0.652)
12. R.Vinolee, Vidhyacharan Baskar and B.Ramachandran, "Conversion Complexity of Multicast Routing and Wavelength Assignment Converters with different Wavelength Conversion in Benes Network", Wireless Personal communications, Springer Publications, Vol.86 , No.1, pp 477-494, Jan 2016.(IF : 0.653, SNIP : 0.865)
13. Bungatavula Chandra Sekhar, T.Ramya ,B.Ramachandran,"Performance Analysis of OFCDM with different Modulation Schemes in LTE", International Journal of Control Theory and Applications, Vol 9(13), pp-6315-6322, 2016.(SNIP:1.466)
14. Posa Pavithra, E. Sivakumar, and B.Ramachandran,"Reconfigurable MIMO Antenna with High Isolation using Metasurface", International Journal of Control Theory and Applications, Vol. 9 (13 ), pp 6309-6314 , 2016.(SNIP:1.466)
15. V.Nithya, B.Ramachandran, and G.Vaishnavi, "Energy Efficient Routing Protocol for Topology Controlled Wireless Sensor Network", International Journal on Communications, Antenna and Propagation(Accepted for publishing).
16. C.Amali and B.Ramachandran," Complexity Consistency Trade off in Multi - Attribute Decision Making for Vertical Handover in Heterogeneous Wireless Networks", IET Networks, Vol 5, Issue 1, pp 13-21, July 2015.(SNIP : 0.918)
17. U.Hari and B.Ramachandran, "An Infrequent Route Selection Strategy for Unequal Cluster Based Wireless Sensor Networks", International Review on Computers and Software, Vol.10, No.4, pp 399-406, April 2015.
18. U.Hari, B.Ramachandran and S.Divyasree, " Energy Aware Routing Protocol for Hybrid Topology using Unequal Clustering ",International Journal of Applied Engineering Research, Vol.10, No.6 , pp 5084-5089 , Feb. 2015