

List of Papers / Publications of Dr. B. Ramachandran (Last 5 years)

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, Lecture Notes in Electrical Engineering 493, pp 187-195, 2019. Springer Nature, Singapore. (SNIP : 0.160)
3. B.V.N. Kaparthy, 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