Dr.N.RAJESH

PUBLICATIONS (2015-2020)

1. **R. Natarajan**, J. V. George, M. Kanagasabai and A. Kumar Shrivastav, "A Compact Antipodal Vivaldi Antenna for UWB Applications," in *IEEE Antennas and Wireless Propagation Letters*, vol. 14, pp. 1557-1560, 2015. doi: 10.1109/LAWP.2015.2412255
2. **R. Natarajan**, M. Kanagasabai and M. Gulam Nabi Alsath, "Dual mode antipodal Vivaldi antenna," in *IET Microwaves, Antennas & Propagation*, vol. 10,no.15,pp.1643-1647,10122016.doi: 10.1049/iet-map.2015.0840
3. **R. Natarajan**, M. Kanagasabai and J. V. George, "Design of an X-band Vivaldi antenna with low radar cross section," in *IET Microwaves, Antennas & Propagation*, vol. 10, no. 6, pp. 651-655, 24 4 2016. doi: 10.1049/iet-map.2015.0585
4. **R. Natarajan** *et al*., "Modified antipodal Vivaldi antenna for ultra-wideband communications," in *IET Microwaves, Antennas & Propagation*, vol. 10, no. 4, pp. 401-405, 19 3 2016. doi: 10.1049/iet-map.2015.0089
5. S Subbaraj, M Kanagasabai, M Alsath, S Palaniswamy, S Kingsly, I Kulandhaisamy, A Shrivastav**, R Natarajan**, S Meiyalagan,"A Compact Frequency-Reconfigurable Antenna With Independent Tuning for Hand-Held Wireless Devices," in *IEEE Transactions on Antennas and Propagation*, vol. 68, no. 2, pp. 1151-1154, Feb. 2020.doi: 10.1109/TAP.2019.2938668
6. Alsath, M., Arun, H., Selvam, Y., Kanagasabai, M., Kingsly, S., Subbaraj, S., Sivasamy, R., Palaniswamy, S. and **Natarajan, R**, "An Integrated Tri-Band/UWB Polarization Diversity Antenna for Vehicular Networks," in *IEEETransactionsonVehicularTechnology*,vol.67,no.7,pp.56135620,July 2018.

7. P. Sambandam, M. Kanagasabai, **R. Natarajan**, M. G. N. Alsath and S. Palaniswamy, "Miniaturized Button-Like WBAN Antenna for Off-Body Communication," in *IEEE Transactions on Antennas and Propagation*, vol. 68, no.7,pp.5228-5235,July2020.doi: 10.1109/TAP.2020.2980367

8. Padmathilagam Sambandam, Malathi Kanagasabai, Shini Ramadoss, **Rajesh Natarajan**, M.Gulam Nabi Alsath, Shanmathai Shanmuganathan, M. Sindhadevi, Sandeep Kumar Palaniswamy, “Compact Monopole Antenna Backed With Fork Slotted EBG For Wearable Applications”, IEEE Antennas and Wireless Propagation letters, vol.19, no.2, pp.228-232,,2020.

9. **Natarajan,R**, Gulam Nabi Alsath, M, Kanagasabai, M, Bilvam, S, Meiyalagan, S. Integrated Vivaldi antenna for UWB/diversity applications in vehicular environment. *Int J RF Microw Comput Aided Eng*. 2020; 30:e21989. https://doi.org/10.1002/mmce.21989

10. Kingsly, S, Kanagasabai, M, Mohammed, GNA, Subbaraj, S, Panneer Selvam, Y, **Natarajan, R**. Multi-band reconfigurable microwave filter using dual concentric resonators. *Int J RF Microw Comput Aided Eng*. 2018; 28:e21290.

11. Sambandam, P., Subbaraj, S., Kanagasabai, M.**, R Natarajan** *et al*. Integration of Slot Array with MIMO Antenna for 4G and 5G Applications. *Wireless Pers Commun* **109,** 2719–2731 (2019). https://doi.org/10.1007/s11277-019-06705-3

12. **Natarajan, Rajesh** & George, Jithila & Kanagasabai, Malathi & Lawrance, Livya & R, Dineshbabu & M, Balaji & Mohammed, Gulam Nabi Alsath. (2015). Modified Antipodal Vivaldi Antenna for UWB Communications. IET Microwaves Antennas & Propagation.