Dr. P. SANDEEP KUMAR

Publications (2015-2020)

- Malathi Kanagasabai, Padmathilagam Sambandam, Gulam Nabi Alsath Mohammed, N.M. Dinesh, Michael Shaun Morais, Akshara Viswanathan, Sandeep Kumar Palaniswamy, Arunkumar Shrivastav, "On the design of frequency reconfigurable tri-band miniaturized antenna for WBAN applications", AEU International Journal of Electronics and Communications, Volume 127, 2020, 153450, ISSN 1434-8411, https://doi.org/10.1016/j.aeue.2020.153450.
- Sambandam, P, Kanagasabai, M, Mohammed, GNA, Sandeep Kumar Palaniswamy et al. Low profile pattern switchable multiband antenna for on/off body communication. Int J RF Microw Comput Aided Eng. 2020; 30:e22448. https://doi.org/10.1002/mmce.22448
- 3. Kingsly, S, Kanagasabai, M, Mohammed, GNA, **Sandeep Kumar Palaniswamy** et al. Bandwidth reconfigurable microwave filter using stepped impedance c-shaped resonator. Microw Opt Technol Lett. 2020; 1–5. https://doi.org/10.1002/mop.32616
- 4. P. Sambandam, M. Kanagasabai, R. Natarajan, M. G. N. Alsath and **Sandeep Kumar Palaniswamy**, "Miniaturized Button like WBAN antenna for Off body communication", IEEE Transactions on Antennas and Propagation, March 2020
- 5. Sangeetha Subbaraj, Malathi Kanagasabai, Gulam Nabi Alsath Mohammed, **Sandeep Kumar Palaniswamy**, Rama Rao Tipparaju, Safrine Kingsly, Yogeshwari Panneer Selvam, "Integrated 4G/5G Multiservice MIMO antenna for Hand-Held Devices", Wireless Personal Communications 111, pp. 2023-2043, 2020.
- 6. 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.
- 7. Sangeetha Subbaraj, Malathi Kanagasabai, M.Gulam Nabi Alsath, Sandeep Kumar Palaniswamy, Saffrine Kinglsy, Indhumathi kulandhaisamy, Arun Kumar Shrivastav, Rajesh Natarajan, Meiyalagan Shanmugapriya, "A Compact Frequency Reconfigurable Antenna with Independent Tuning for Hand-held wireless Devices", IEEE Transactions on Antennas and Propagation, vol. 68, no. 2, pp. 1151-1154, 2020.
- 8. Malathi Kanagasabai, Thipparaju Rama Rao, Sandeep Kumar Palaniswamy, Saffrine Kingsly, Mohammed Gulam Nabi Alsath, Deepa Thangarasu, Padmathilagam Sambandam, Sangeetha Subbaraj, Yogeshwari Panneer Selvam, "Multiband reconfigurable microwave filtenna" published in United States patent journal, Publication of US10333225B1
- 9. Sangeetha Velan, Malathi Kanagasabai, Jayaram Kizhekke Pakkathillam, Sandeep Kumar Palaniswamy, Rama Rao Tippuraj, "Spurious Passband Suppression in compact microstrip rat-race coupler deploying modeified split rings and coupled microstrip lines", Wireless Personal Communications 109, pp. 2733-2740,2019.
- 10. Padmathilagam Sambandam, Sangeetha Subbaraj, Malathi Kanagasabai, M. Gulam Nabi Alsath, Deepa Thangarasu, Rajesh Natarajan, Sandeep kumar Palaniswamy, Rama Rao Tippuraj, "Integration of Slot Array with MIMO Antenna for 4G and 5G Applications", Wireless Personal Communications, https://doi.org/10.1007/s11277-019-06705-3, 2019.
- 11. Saffrine Kinglsy, Deepa Thangarasu, Malathi Kanagasabai, M Gulam Nabi Alsath, **Sandeep Kumar Panaiswamy**, Thipparaju Rama Rao, Sangeetha Subbaraj, Yogeshwari Panneer Selvam, Padmathilagam Sambandam,

- Geetha Ganesan, "Tunable Band-Notched High Selective UWB Filtering Monopole Antenna", IEEE Transactions on Antennas and Propagation, vol. 67, no. 8, pp. 5658-5661, 2019.
- 12. Deepa Thangarasu, Safrine Kinglsy, Malathi Kanagasabai, Gulam Nabi Alsath, Padmathilagam Sambandham, Sridhar Bilvam, **Sandeep Kumar Palaniswamy**, Rama Rao Tippuraj," Bandwith Reconfigurable Filtering Antenna" Wireless Personal Communications 105, pp. 1545-1560, 2019.
- 13. **Sandeep Kumar Palaniswamy**, Pinku Ranjan, Mihir Patil, Amit Bage, Brajesh Kumar,"Design and analysis of quarifilar helical antenna for cubesats using C-band frequency range for satellite communication",Facta Universitatis, Series: Electronics and Energetics 32 (2), pp. 239-247, 2019.
- 14. Susila Mohandoss, **Sandeep Kumar Palaniswamy**, Rama Rao Thipparaju, Malathi Kanagasabai, Balarami Reddy Bobbili Naga, Sachin Kumar, "On the bending and time domain analysis of compact wideband flexible monopole antennas", International Journal of Electronics and Communications(AEU), vol 101, pp. 168-181, 2019.
- 15. M. Susila, T. Rama Rao, K. Varshini, **P. Sandeep Kumar**, and M. Pushpalatha, "Investigations of Specific Absorption Rate and Temperature Variations for an UWB antenna for wireless applications", Progress in Electromagnetics Research, Vol. 78, 83-92, 2019.
- 16. Palaniswamy Sandeep Kumar, M. Gulam nabi alsath, Kanagasabai Malathi, Geetha, Indhumathi, K Shrivastav, "Super Wideband (SWB) Fractal Based Flexible Monopole Antenna for Ultra Wideband (UWB) Applications", Journal of Active and Passive Electronic Devices, vol 14, p 45-53, 2019
- 17. P. Ranjan, M. Patil, A. Bage, M. Potrebić, S. S. Pajović and S. Kumar P,
 "Design and Analysis of Dual-Band Dual-Polarized Printed Antenna for Wireless Applications," 2018 26th Telecommunications Forum

- (TELFOR), Belgrade, 2018, pp. 420-425, doi: 10.1109/TELFOR.2018.8612098.
- 18. Sachin Kumara, Kang Wook Kima, Hyun Chul Choia, Shobhit Saxenab, Rahul Tiwarib, Mukesh K. Khandelwalc, **Sandeep Kumar Palaniswamy**, B.K. Kanaujiae, "A low profile circularly polarized UWB antenna with integrated GSM band for wireless communication", International Journal of Electronics and Communications(AEU), vol 93, 224-232, 2018.
- 19. Susila Mohandoss, Rama Rao Thipparaju, Bobbili Naga Balarami Reddy, **Sandeep Kumar Palaniswamy**, Pushpalatha Marudappa, "Fractal based ultra-wideband antenna development for wireless personal area communication applications", International Journal of Electronics and Communications (AEU), vol 93, 95-102, 2018.
- 20. Saffrine Kingsly, Deepa Thangarasu, Malathi Kanagasabai, Mohammed Gulam Nabi Alsath, Rama Rao Thipparaju, Sandeep Kumar Palaniswamy, Padmathilagam Sambandam," Multiband Reconfigurable Filtering Monopole Antenna for Cognitive Radio Applications" IEEE Antennas and Wireless Propagation Letters, vol. 17, no. 8, pp. 1416-1420,2018
- 21. S. Kumar, S. K. Palaniswamy, S. Saxena, R. Tiwari and S. Sah, "Dual-Band Low Profile Notched Printed UWB Monopole Antenna with Enhanced Bandwidth," 2018 5th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, 2018, pp. 39-42, doi: 10.1109/SPIN.2018.8474146.
- 22. M Gulam Nabi Alsath, Henridass Arun, Yogeshwari Panneer Selvam, Malathi Kanagasabai, Saffrine Kingsly, Sangeetha Subbaraj, Ramprabhu Sivasamy, Sandeep Kumar Palaniswamy, Rajesh Natarajan, "An Integrated Tri-Band/UWB Polarization Diversity Antenna for Vehicular

- Networks," IEEE Transactions on Vehicular Technology, vol. 67, no. 7, pp. 5613-5620,2018.
- 23. Yogeshwari Panneer Selvam, M Gulam Nabi Alsath, Malathi Kanagasabai, Lavanya Elumalai, **Sandeep Kumar Palaniswamy**, Sangeetha Subbaraj, Saffrine Kingsly, Gunaseelan Konganathan, Indhumathi Kulandhaisamy A Patch-Slot Antenna Array With Compound Reconfiguration," IEEE Antennas and Wireless Propagation Letters, vol. 17, no. 3, pp. 525-528, 2018,
- 24. Geetha, Sandeep Kumar Palaniswamy, Mohammed Gulam Nabi Alsath, Malathi Kanagasabai and Tippuraju Rama Rao. "Compact and Flexible Monopole Antenna for Ultra-Wideband Applications Deploying Fractal Geometry", Journal of Electrical Engineering and Technology, Vol 13, 400-405,2018.
- 25. **Sandeep Kumar Palaniswamy**, Malathi Kanagasabai, Shrivastav Arun Kumar, M Gulam Nabi Alsath, Sangeetha Velan, Jayaram Kizhekke Pakkathillam,"Super Wideband Printed monopole antenna for ultra wideband applications", International Journal of Microwave and Wireless Technologies, vol 9, 133-141, 2017.
- 26. Bobbili Naga Balarami Reddy, **Palaniswamy Sandeep Kumar**, Thipparaju Rama Rao, Nishesh Tiwari, Molupoju Balachary," Design and analysis of wideband monopole antennas for flexible/wearable wireless device applications", Progress in Electromagnetics Research, vol 62, 167-174, 2017.
- 27. Sangeetha Velan, Malathi Kanagasabai, Jayaram Kizhekke Pakkathillam, **Sandeep Kumar Palaniswamy**, "Compact paper-substrate rat-race coupler deploying modified stepped impedance stub and interdigitated slot resonator for wide-band harmonic suppression", IET Microwaves, Antenna and Propagations, vol 10, 1667-1672, 2016.

- 28. **Sandeep K Palaniswamy**, Kanagasabai Malathi, Arun K Shrivastav, "Palm tree structured wide band monopole antenna", International Journal of Microwave and Wireless Technologies, vol 8, 1077-1084,2016.
- 29. Sandeep Kumar Palaniswamy, Yogeshwari Panneer Selvam, M Gulam Nabi Alsath, Malathi Kanagasabai, Saffrine Kingsly, Sangeetha Subbaraj,"
 3-D eight-port ultrawideband antenna array for diversity applications",
 IEEE Antennas and Wireless Propagation Letters, vol 16, 569-572, 2016.