

LIST OF PUBLICATIONS

NAME: Dr. P. SANDEEP KUMAR

DESIGNATION: ASSISTANT PROFESSOR (SR GRADE)

DEPARTMENT: DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

COLLEGE NAME: SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

1. Malathi K, Padmathilagam S, G N A Mohammed, N.M.Dinesh, Michael S M, Akshara V, **Sandeep Kumar Palaniswamy**, A K Shrivastav “On the design of frequency reconfigurable tri-band miniaturized antenna for WBAN applications” *International Journal of Electronics and Communications(AEU)*, vol 127, 95-102, December 2020.
2. Kingsly S, Kanagasabai M, Mohammed GNA, Manimekalai T, Sangeetha S, **Sandeep Kumar Palaniswamy**, Sridhar B, Indhumathi K, “Bandwidth reconfigurable microwave filter using stepped impedance c-shaped resonator”, *Microw Opt Technol Lett*. September 2020.
3. Padmathilagam S, Malathi K, G N A Mohammed, Manimekalai T, Shanmathi S, Shini R, **Sandeep Kumar Palaniswamy**, “Low profile pattern switchable multiband antenna for on/off body communication”, *International Journal of RF and Microwave Computer-Aided Engineering*, September 2020.
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, April 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, February 2020.
7. Sangeetha Subbaraj, Malathi Kanagasabai, M.Gulam Nabi Alsath, **Sandeep Kumar Palaniswamy**, Saffrine Kingsly, Indhumathi kulanthaisamy, 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, February 2020.
8. Sangeetha Velan, Malathi Kanagasabai, Jayaram Kizhekke Pakkathillam, **Sandeep Kumar Palaniswamy**, Rama Rao Tippuraj, “Spurious Passband Suppression in compact microstrip rat-race coupler deploying modified split rings and coupled microstrip lines”, *Wireless Personal Communications* 109, pp. 2733-2740, December 2019.

9. 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>, December 2019.
10. Saffrine Kingsly, 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, August 2019.
11. Deepa Thangarasu, Safrine Kingsly, Malathi Kanagasabai, Gulam Nabi Alsath, Padmathilagam Sambandham, Sridhar Bilvam, **Sandeep Kumar Palaniswamy**, Rama Rao Tippuraj, "Bandwidth Reconfigurable Filtering Antenna" *Wireless Personal Communications* 105, pp. 1545-1560, April 2019.
12. Subbaraj, S., Sambandam, P., Kanagasabai, M., Alsath, M.G.N., **Palaniswamy, S.K.**, Kulandhaisamy, Saffrine K, Yogeshwari P, Deepa T "Performance enhancement and signal integrity analysis of multiband MIMO antenna for handheld electronic devices", *IET Microwaves, Antennas & Propagation*, vol. 13, no. 5, pp. 631-641, April 2019.
13. **Sandeep Kumar Palaniswamy**, Pinku Ranjan, Mihir Patil, Amit Bage, Brajesh Kumar, "Design and analysis of quadrifilar helical antenna for cube-sats using C-band frequency range for satellite communication", *Facta Universitatis, Series: Electronics and Energetics* 32 (2), pp. 239-247, June 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, March 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, January 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, January 2019
17. Sachin Kumara , Kang Wook Kima , Hyun Chul Choia , Shobhit Saxenab , Rahul Tiwarib , Mukesh K. Khandelwalc , **Sandeep Kumar Palaniswamy** , B.K. Kanaujiaae, "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, September 2018.
18. 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, September 2018.

19. 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, August 2018
20. 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, July 2018.
21. 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, March 2018,
22. 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, January 2018.
23. **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, February 2017.
24. 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, November 2017.
25. Sangeetha Velan, Malathi Kanagasabai, Jayaram Kizhekke Pakkathillam, **Sandeep Kumar Palaniswamy**, "Compact paper-substrate rat-race coupler deploying modified stepped impedance stub and interdigitated slot resonators for wide-band harmonic suppression", *IET Microwaves, Antenna and Propagations*, vol 10, 1667-1672, December 2016.
26. **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, February 2016.
27. **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, July 2016.