

Faculty Profile

Name: Dr. Mallavarapu Sandhya

Designation: Assistant Professor

Teaching Areas: Analog Electronics, Antennas and Electromagnetics



Research Interests: Wearable antennas, Electromagnetic bandgap (EBG) and Defected Ground Structures (DGS)

Education: (Degree, Institution, Location, Year of Completion)

- Ph. D, from National Institute of Technology Warangal (NITW)
- M.Tech, from R.V.R & J.C (ANU)
- B. Tech, from Vignan's Engineering College (JNTUK)

Research / Selected Publications: (Journals-7)

1. **M. Sandhya**, L. Anjaneyulu, Improved wearable, breathable, triple band electromagnetic bandgap-loaded fractal antenna for wireless Body Area Network Applications, **ETRI Journal** (2023), 1–10. DOI 10.4218/etrij.2023-013710 (SCIE)
2. **Sandhya, M.** and Anjaneyulu, L., Compact, flexible triple band Sierpinski fractal antenna on a Hilbert patterned ground for W-WBSN. (2023) **Microwave and Optical Technology Letters**. <https://doi.org/10.1002/mop.33756> (SCIE)
3. **Mallavarapu, S.,** & Lokam, A. (2022). A fully flexible, high-gain saw-tooth-shaped boundary fractal wearable patch antenna for WBAN applications. **International Journal of Microwave and Wireless Technologies**, 1 <http://doi:10.1017/S1759078722000836> (SCIE)

Research / Selected Publications: (Conferences-6)

1. **Mallavarapu, S.,** Lokam, A. and Farooq, U., 2022, December. A Small, Flexible, Circularly Polarized Wearable Antenna for Wireless Applications. In 2022 IEEE International Symposium on Smart Electronic Systems (iSES) (pp. 175-179). IEEE.

Professional Membership: IEEE, Microwave Theory and Techniques Society (MTTS)