

Faculty Profile



Name: Dr. V. A. SANKAR PONNAPALLI

Designation: Assistant Professor

Teaching Areas: Electromagnetics, RF & Microwaves, Antennas, IoT, Communication Engineering, Radars, Satellites Systems.

Research Interests: Antennas, Fractal Arrays, Smart Transportation, Engineering Education Technology & Open-Source Software for Engineering Education.

Education:

- PhD in Electronics and Communication Engineering, GITAM, Visakhapatnam, 2018.
- M.Tech in RF & Microwave Engineering, GITAM, Visakhapatnam, 2013.
- B.Tech in Electronics and Communication Engineering, JNTUK, Kakinada, 2011.
- Diploma in Education Technology and Management, University of Hyderabad, 2021.

Research / Selected Publications: 61 (WoS & SCOPUS: 41)

(Google Scholar: <https://scholar.google.co.in/citations?user=VywHg5cAAAAJ&hl=en>)

1. V. A. Sankar Ponnappalli, Performance Analysis of Maple Shaped Monopole Multiband Antenna on Various Substrate Materials, IETE Journal of Research (Taylor & Francis). [SCIE (IF: 2.2) and SCOPUS].
2. S. Saiteja, V. A. Sankar Ponnappalli, A Review on Smart Water Management in Various Domestic Areas: An Approach for Water Consumption and Leakage Perspectives, IJCIS (Inderscience). [ESCI & SCOPUS]
3. V. A. Sankar Ponnappalli and P.V.Y Jayasree, Thinning of Sierpinski Fractal Array Antennas using Bounded Binary Fractal Tapering Techniques for Space and Advanced Wireless Applications, Vol: 5(1); PP-8-11, 2019, ICT Express (Elsevier), South Korea. [SCIE (IF: 4.317 and SCOPUS)].
4. V. A. Sankar Ponnappalli and P. V. Y. Jayasree; Thinning of 2D and 3D Fractal Antenna Arrays with Bounded and Unbounded Fractal Distribution Functions for Celestial Communications; Vol. 38 (6); pp. 1135-1144; December-2016; ETRI Journal (South Korea) [SCI (IF: 1.32 & SCOPUS)].
5. V. A. Sankar Ponnappalli, Narrow Band Hairpin Bandpass Filter for 4G LTE Applications, IEEE-IEMTRONICS-21, IEEE Canada.
6. V. A. Sankar Ponnappalli, Shiva Kanth Reddy, Praveena A, A Flexible Wideband Spiral Antenna using Polydimethylsiloxane Substrate for Wearable Applications, IEEE-ICCCI-23, Coimbatore, India.

Patents: 02; **Books:** 02; **Book Chapters:** 08; **Lab Migration Project:** 01 (FOSSEE & MoE, India)

Editorial Board Member: PLOS ONE; International Journal of Ultra-Wideband Communications and Systems; International Journal of Student Project Reporting; International Journal of Embedded and Real- Time Communication Systems.

Professional Memberships: IEEE; Institute of Engineers (India); IAOE;

Recognition's: Innovation Ambassador (IA) by Ministry of Education & AICTE