



SANTANU MONDAL

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Institute of Radio Physics & Electronics
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Field of Specialization: Planar Monopole Antenna, Circularly Polarized Microstrip Antenna, Reconfigurable Antenna, Frequency Selective Surface and Microwave Absorber

Educational Qualification:

Name of the Examination	Board/University	Year
Ph.D	University of Kalyani	2018
M.E. in ETCE	Jadavpur University	2011
B.Tech in ECE	KGEC under WBUT	2009
Higher Secondary	W.B.C.H.S.E	2005
Madhyamik.	W.B.B.S.E	2003

Ph.D Thesis Title: Studies on Compact Wideband Planar Metal Antennas

Teaching and Research Experience:

Institute	Year (from - to)	Designation
Institute of Radio Physics & Electronics, University of Calcutta	18/03/2016 – Till date	Assistant Professor
Academy of Technology	01/07/2011 – 17/03/2016	Assistant Professor

Guidance of M. Tech and Ph.D Thesis:

Ph.D : Supervising 03
M. Tech: 06

Subjects Taught:

- Microwave Devices, Circuits & Materials
- Microwave Propagation
- Microwave Antennas
- Electromagnetic Theory and Transmission Line
- Analog and Digital Electronics

- Analog and Digital Communication

Research Publications:

Journals: 10

- **S. Mondal** and P. P. Sarkar, "A Novel Design of Compact Wideband Hexagonal Antenna," *Microw. Opt. Technol. Lett.*, Vol. 55, pp. 1–4, 2013.
- **S. Mondal** and P .P. Sarkar, "Design of an Extremely Wideband Planar Elliptical Metal Antenna," *IEEE Antennas wireless propag. Lett.*, Vol. 12, No. 1, pp. 1508-1511, 2013.
- **S. Mondal** and P .P. Sarkar, "Bandwidth Enhancement of Planar Inverted Cone Metal Antenna," *Progress in Electromagnetic Research C*, Vol. 51, pp. 71-78, 2014.
- **S. Mondal** and P.P. Sarkar, "A Novel Design of Compact Wideband Planar Metal Antenna," *Indian Journal of Pure & Applied Physics*, Vol. 52, pp. 851-856, 2014.
- **S. Mondal** and P. P. Sarkar, "Design of an Ultra-wideband Conformal Metal Antenna," *Microw. Opt. Technol. Lett.*, Vol. 56, No. 2, pp. 430-434, 2014.
- **S. Mondal** and P. P. Sarkar, "Design of an Ultra-wideband Planar Circular Metal Antenna," *Microw. Opt. Technol. Lett.*, Vol. 57, No. 8, pp. 1925-1928, 2015.
- **S. Mondal** and P .P. Sarkar, "Improved Bandwidth of a Planar Annular Ring Antenna," *International Journal of Microwave and Optical Technology*, Vol. 7, No. 6, pp. 406-410, 2012.
- **S. Mondal**, Kaushik Mondal and P. P. Sarkar, "Design of MIMO Antenna for Ultra-wideband Applications," *IETE Journal of Research*, Vol. 64, No. 4, pp. 497-502, 2018.
- **Soumik Dey**, Santanu Mondal, and Partha Pratim Sarkar, "Single Feed Circularly Polarized Antenna Loaded with Complementary Split Ring Resonator (CSRR)", *Progress In Electromagnetics Research M*, Vol. 78, pp. 175-184, 2019.
- **Soumik Dey**, Santanu Mondal, and Partha Pratim Sarkar, "Reactive Impedance Surface (RIS) based Asymmetric Slit Patch Antenna loaded with Complementary Split Ring Resonator (CSRR) for Circular polarization", *Journal of Electromagnetic Waves and Applications*, Vol. 33, No. 8, pp. 1003-1013, 2019.

Conferences: 04

- **S. Mondal**, S. Ray, B. Gupta, "Planar compact bidirectional dual wide band antenna for GSM and UWB communications," *2011 Annual IEEE India Conference (INDICON)*, pp. 1-5, 2011.
- **S. Mondal** and P.P. Sarkar, "Wideband Bidirectional Planar Shorted Circular Monopole Antenna," *2nd International conference on computer, control, communication and information Technology (C3IT), Procedia Technology*, Vol. 4, pp. 421-426, 2012.
- **S. Mondal** and P. P. Sarkar, "Characteristics of a Planar Metal Antenna in Vicinity of Human Head at 900 MHz and 1800 MHz," *3rd International conference on computer, communication, control and information Technology (C3IT)*, pp. 1-3, 2015.
- **S. Mondal**, K. Mandal and P. P. Sarkar, "Design of a Shorted Planar Meander-Line Metal Antenna," *International Conference on Microelectronics, Computing and Communication*, pp. 1-4, 2016.