



Dr. Saurabh Kumar Srivastava

Assistant Professor

Experience (Teaching)

RNSIT (2023- till date)
Previous college (2012-2014)
Previous college (2010-2011)

Qualifications

B.Tech - Gautam Buddh Technical University, Lucknow
M.Tech. - IIT(ISM), Dhanbad
Ph.D. - IIT (BHU), Varanasi

Specialization (Research)

RF & Microwave Engineering
Research Interest: Microwave Absorber, Polarizer, Frequency
Selective Surface, Metasurface, RCS Reduction

Specialization (Academics)

RF and Microwave
Electromagnetic Field Theory
Analog & Digital Communication
Electronics Devices & Analog Circuit
Digital Electronics
Signal & System
Networks Analysis & Synthesis
Control System

Scholarly Profiles: [Google Scholar](#)

[ORCID](#)

Publications

Journal:

- [1]. S. K. Srivastava and Manoj Kumar Meshram, "Comments on "Analysis and Design of Three-Layer Perfect Metamaterial-Inspired Absorber Based on Double Split-Serration Rings Structure",” in *IEEE Transaction on Antennas and Propagation*, vol. 72, no. 4, pp. 3854-3857, April 2024, doi: 10.1109/TAP.2024.3371570. [\[Link\]](#)
- [2]. S. K. Srivastava, R. Dubey, and M. K. Meshram, "Design, Modeling and Analysis of Low Cross Polarization Level Low Radar Cross Section Conformal Ultra Wideband Absorber based on Resistive Metasurface” in *Progress In Electromagnetics Research M*, Vol 121, 147-156, 2023, doi:10.2528/PIERM23082803. [\[Link\]](#)

- [3]. R. Dubey, **S. K. Srivastava**, A. Singh and M. K. Meshram, "Compact and Efficient Dual-Band Rectifier Using Modified T-Section Matching Network," in *IEEE Microwave and Wireless Technology Letters*, vol. 33, no. 6, pp. 755-758, June 2023, doi: 10.1109/LMWT.2023.3248786. [\[Link\]](#)
- [4]. Akanksha Singh, Rahul Dubey, Ajitesh, **Saurabh Kumar Srivastava**, and Manoj Kumar Meshram, "Circular Polarization-agile and beam switching enabled reconfigurable cavity- backed antenna," *AEU-Int. J. Electron. Commun.*, vol. 165, June 2023, p. 154664, 2022, <https://doi.org/10.1016/j.aeue.2023.154664>. [\[Link\]](#)
- [5]. Rahul Dubey, Akanksha Singh, **Saurabh Kumar Srivastava**, Ajitesh, and Manoj Kumar Meshram, "A dual wide-band ingestible antenna design for wireless capsule endoscopy," *AEU-Int. J. Electron. Commun.* vol. 172, December 2023, p. 154935, 2023, <https://doi.org/10.1016/j.aeue.2023.154935>. [\[Link\]](#)

Conference Proceedings (peer-reviewed):

- [1]. **S. K. Srivastava** and M. Kumar Meshram, "Ultra Wideband Reflective Polarization Converter Based on Double Slit Split Ring Resonators Shaped Metasurface," **2018 IEEE MTT-S International Microwave and RF Conference (IMaRC)**, 2018, pp. 1-4, doi: 10.1109/IMaRC.2018.8877118. [\[Link\]](#)
- [2]. **S. K. Srivastava**, B. Satyanarayana, A. K. Saurabh and M. K. Meshram, "Polarization-Insensitive Ultra wideband Absorber Based on Resistive Rising Sun-Shaped Metasurface," **2019 IEEE Asia-Pacific Microwave Conference (APMC), 2019**, pp. 548-550, doi: 10.1109/APMC46564.2019.9038357. [\[Link\]](#)
- [3]. **S. K. Srivastava**, B. Satyanarayana, A. K. Saurabh and M. Kumar Meshram, "Low RCS Polarization-Insensitive Ultra Wideband Absorber Based on Resistive Metasurface," **2019 IEEE MTT-S International Microwave and RF Conference (IMaRC)**, 2019, pp. 1-4, doi: 10.1109/IMaRC45935.2019.9118622. [\[Link\]](#)
- [4]. B. Satyanarayana, **S. K. Srivastava**, A. K. Saurabh, R. Dubey, P. K. Bharti and M. K. Meshram, "Side-Edge Frame Coupled-Fed Printed Eight-Port MIMO Antenna Array for Sub-6 GHz 5G Smartphone Applications," **2019 IEEE MTT-S International Microwave and RF Conference (IMaRC)**, 2019, pp. 1-4, doi: 10.1109/IMaRC45935.2019.9118779. [\[Link\]](#)
- [5]. B. Satyanarayana, **S. K. Srivastava** and M. K. Meshram, "Eight-Element Dual-Band MIMO Antenna System for Sub-6 GHz 5G Smartphone Applications," **2019 IEEE Indian Conference on Antennas and Propagation (InCAP)**, 2019, pp. 1-4, doi: 10.1109/InCAP47789.2019.9134684. [\[Link\]](#)
- [6]. A. K. Saurabh, **S. K. Srivastava** and M. K. Meshram, "CSRR Loaded Compact Quad-Element MIMO Antenna for Wireless Applications," **2021 IEEE MTT-S International Microwave and RF Conference (IMaRC)**, 2021, pp. 1-4, doi: 10.1109/IMaRC49196.2021.9714635. [\[Link\]](#)
- [7]. A. K. Saurabh, **S. K. Srivastava** and M. K. Meshram, " Compact Eight Element MIMO Antenna for UWB Applications," **2022 IEEE Microwaves, Antennas and Propagation Conference (MAPCON)**, 2022, pp. 1193-1147, doi: 10.1109/MAPCON56011.2022.10046713. [\[Link\]](#)
- [8]. Ajitesh, **S. K. Srivastava**, A. Singh, R. Bharti, and M. K. Meshram, "A Single Layer dual band Reflectarray antenna for millimeter-wave application," **2022 IEEE Microwaves, Antennas and Propagation Conference (MAPCON)**, 2022, pp. 1615-1619, doi: 10.1109/MAPCON56011.2022.10047644. [\[Link\]](#)

Awards Received

- **GATE-2009, 2010, 2011, 2013, 2014, 2016** Qualified
- **Teaching Assistant Fellowship for Ph.D., MHRD, India, 2017-2022.**
- **UGC-NET -2016** Qualified for eligibility for **Assistant Professorship**

Journal Review

- IEEE Transactions on Components, Packaging and Manufacturing Technology
- IEEE Transaction on Circuits and Systems II: Express Briefs
- Taylor & Francis: IETE Journal of Research
- Springer Nature: Wireless Personal Communication