

Curriculum Vitae



Name: Shrey Anant Sandiman

Designation: Assistant Professor (Adhoc)

Department: Electronics & Communication Engineering Department,
School of Studies of Engineering & Technology,
Guru Ghasidas Vishwavidyalaya, Bilaspur Chhattisgarh.

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Academic Qualification

- Ph.D. (Pursuing) G.G.V. Bilaspur, 2021-Present
- M.Tech. C.S.V.T.U., Bhilai, 2016-2018
- B.E. C.S.V.T.U., Bhilai, 2012-2016

Area of Interest/Specialization:

- Metamaterial / Resistive Ink/ Resistive Sheet / Dielectric based Absorbers
- Reconfigurable Frequency Selective Surface
- Multifunction Microwave Structures
- RF and Microwave
- Reflectors

Experience

- **Teaching Experience:** 02 years 03 months, as lecturer in RITEE Raipur
- **Industrial Experience:** 01 year 08 months, as project associate in CSIR-CIMFR.

Publications:

- International Journal: 04
- National Journal: 03
- International Conference 03
- National Conference: 01

Professional Seminars & Workshops Attended: 05

Detail List of Publications:

- 1) Verma, N., Dewangan, L., **Sandiman, S. A.**, & Mishra, N. K. (2025). Switchable Rasorber/Absorber with T-A-T Response for 5G Applications. *Next Research.*, 100134.
<https://doi.org/10.1016/j.nexres.2025.100134>
- 2) **Sandiman, S. A.**, & Mishra, N. K. (2024). Resistive ink based polarization and incident angle independent wideband absorber for RCS reduction at KU and K band. *Optik*, 313, 171979.
<https://doi.org/10.1016/j.ijleo.2024.171979>

- 3) L. Dewangan, M. S. Patinavalasa, J. Acharjee, **S. A. Sandiman**, S. Ghosh, and N. K. Mishra, "Direction independent broad-band wide angle metamaterial absorber for 'K' band applications," *Frequenz*, vol. 0, no. 0, Nov. 2023, doi: 10.1515/freq-2023-0151.
- 4) **Sandiman, S. A.**, Dewangan, L., Sandiman, P.S. & Mishra, N.K., "Dual-Layered Polarization Independent Ultra-Wide Band Metasurface Absorber Based On Resistive Ink For R-Band To X-Band Absorption", *Chhattisgarh Journal of Science and Technology*, Vol.19, pp. 43-44, 2022.
- 5) Dewangan, L., Vaishnava, A.R., **Sandiman, S.A.** & Mishra, N.K., "Broadband Wide Angle Polarization Conversion Using Metasurface", *Chhattisgarh Journal of Science and Technology*, Vol.18(2), pp. 77-82, 2021.
- 6) Dewangan, L., **Sandiman, S.A.**, Vaishnava, A.R., & Mishra, N.K., "Polarization Insensitive Wide Angle Multiband Metamaterial Absorber", *Chhattisgarh Journal of Science and Technology*, Vol.18, pp. 47-51, 2021.
- 7) **Sandiman, S. A.**, & Diwan, R., "A Review Article Of Solar Power Satellites", *IJESRT*, Vol. 7(11), pp. 128-133. 2018.

Detail of Conferences:

- 1) N. Verma, **S. A. Sandiman**, D. Rathore and N. K. Mishra, "Frequency Selective Surface Based Absorber/Rasorber With Transmission Absorption Transmission Response," *2024 IEEE Space, Aerospace and Defence Conference (SPACE)*, Bangalore, India, 2024, pp. 772-775, doi: 10.1109/SPACE63117.2024.10668254.
- 2) **Sandiman, Shrey Anant**, & Mishra, N. K. "Resistive Ink Based Wideband Frequency Selective Surface Absorber for Radar Cross Section Reduction". *19th Chhattisgarh Young Scientist Congress*, Feb 2024.
- 3) **S. A. Sandiman**, L. Dewangan, and N. K. Mishra, "Ultra-Wide Band Metamaterial Absorber Based on Resistive Sheet for L to Ku Band Application," *IEEE Microwaves, Antennas, and Propagation Conference (MAPCON)*, Dec. 2023, doi: 10.1109/mapcon58678.2023.10463870. Based on Resistive Sheet for L to Ku Band Application
- 4) L. Dewangan, **Shrey A. Sandiman** & Nipun K. Mishra, Polarization Insensitive Multiband Metamaterial absorber, 8th international conference "shaastrarth-2023", June 2023.

Awards and Honors:

- 1) Secured 1st place in National Science Day 2025 held at Rajat Jayanti Sabhaghar, GGV, Bilaspur, for popular science poster presentation.
- 2) Best paper award in international conferences at Rungta.College of Engineering and Technology Bhilai in 2023