



Dr. Nipun Kumar Mishra

Centre/ School/ Special Centre: School of Studies of Engineering and Technology

Department: Electronics & Communication Engineering

Phone: 9893367625,

Email: mishranipun@gmail.com

Qualifications: Ph.D.

Area of Interest/Specialization: Antenna Design, RF & Microwave, Wireless Communication , Metamaterial Absorbers.

Experience: 19 Year

Awards and Honors: Young Scientist Award by International Academy of Physical Science, Allahabad in 2008.

Research Projects:

**International Collaboration/
Consultancy:**

**Best Peer Reviewed
Publication (up-to 10):**

Journals

- 1) **Nipun K.Mishra**, JuinAcharjee , Vijay Sharma, Chandan Tamrakar, and Laxmikant Dewangan , “Mutual Coupling Reduction between the Cylindrical Dielectric Resonator Antenna using Split Ring Resonator based Structure”, *AEU, International Journal of Electronics and Communication*, Vol. 154, 2022.
- 2) JuinAcharjee , Shreya Chatterjee , **Nipun K. Mishra** , Gouri S. Paul , and Kaushik Mandal,” Synthesizing Radiation Properties of Dual-Band Dual-Mode High Gain Dielectric Resonator Antenna for Wireless Applications” , *Progress In Electromagnetics Research C*, Vol-122,153-164,2022.
- 3) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma, "Beam Steered Linear Array of cylindrical Dielectric Resonator Antenna ,*AEU, International Journal of Electronics and Communication*, Vol. 98, pp. 106-113, 2019.
- 4) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma, "Wideband High Gain Cylindrical Dielectric Resonator Antenna for X-band Applications", *Frequenz - DE*

GRUTER, Journal of RF-Engineering & Telecommunication, Vol-73 issue 3-4,109-116.

- 5) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma, "Low Profile circularly Polarized Cylindrical Dielectric Resonator Antenna coupled by L- Shaped resonating slot", *Microwave Optical Theory Letter, Wiley*, Vol. 59, pp 996-1000, 2017.
- 6) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma, "Bandwidth enhancement of Cylindrical Dielectric Resonator Antenna using thin dielectric layer fed by resonating slot", *Frequenz - DE GRUTER , Journal of RF-Engineering & Telecommunication*, Vol. 59, pp 381-388, 2016.
- 7) Robert Mark, **Nipun Mishra**, Kaushik Mandal, ParthaPratim Sarkar, Soma Das," Hexagonal ring fractal antenna with dumb bell shaped defected ground structure for multiband wireless applications", *AEU, International Journal of Electronics and Communication*, Vol. 94, pp. 42-50, 2018.
- 8) Robert Mark, **Nipun Mishra**, Kaushik Mandal, Partha Sarkar, Soma Das," Hexagonal Nested Loop Fractal Antenna for Quad Band Wireless Applications", *Frequenz - DE GRUTER, Journal of RF-Engineering & Telecommunication*, Vol-73 issue 3-4,99-108, 2019.

International Conferences

- 1) **Nipun K Mishra** and Laxmikant Dewangan "Broad Band Polarization Insensitive Metamaterial Absorber for K Band Application," *IEEE Microwaves, Antennas and Propagation Conference(MAPCON)*, 2022.
- 2) Laxmikant Dewangan and **Nipun K Mishra** " Broadband Wide angle Polarization insensitive Metamaterial Absorber for K band application," *2022URSI Regional Conference on Radio Science (URSI-RCRS)*, 2022.
- 3) V. Sharma, T. Jhajharia, M. Gupta, S. Yadav, **N. Kumar Mishra** and D. Pal, "Dual Band Circularly Polarized Probe Feed Asymmetric Patch Antenna With Wide Axial Ratio Bandwidth," *2021 IEEE Indian Conference on Antennas and Propagation (InCAP)*, 2021, pp. 794-797.
- 4) **Nipun K. Mishra** & S. Das, "Cylindrical Dielectric Resonator Antenna Array with Beam Steering Capability", *URSI-Asia Pacific Radio Science Conference*, New Delhi 9-15 March 2019.
- 5) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma," Electronically Steerable Phased Array of Cylindrical Antenna ", *IEEE international conference, InCAP-2018*, Hyderabad, 16-19 December, 2018.

- 6) **Nipun K. Mishra**, S. Das & Dinesh K. Vishwakarma," Circularly Polarized Cylindrical Dielectric Resonator Antenna for X-band applications ", IEEE international conference, IAIM-2017, Bangalore, 24-26 November, 2017.
- 7) **Nipun K. Mishra**& S. Das, "Circularly Polarized Cylindrical Dielectric Resonator Antenna coupled by V-Shaped Resonating slot", IEEE international conference, ICRAIE-2016, Jaipur, 23-25 December, 2016.

Recent Books/Book Chapters/Monographs etc.:

Research Supervision: 02 Student(pursuing)

Administrative Responsibilities:

- Hostel Warden of Dr. B.R. Ambedkar Boys Hostel.
- Module Coordinator (Hostel), SAMARTH Portal.
- Nodal Coordinator of Virtual Lab, GGV Bilaspur.
- Member of Departmental Research Committee.
- Convener of Research Advisory Committee.
- Member of NBA work Committee.
- Member of Solar Panel Technical CommitteeGGV.
- Head of Department (Feb 2017-Aug 2019).
- Chairman BOS (Feb 2017-Aug 2019)

Additional Information:

- Organizing Committee member of MAPCON-22
- Reviewer of MAPCON-22
- Guest Lecture Delivered: 05
- Key Note Address in international/National conference: 02
- Coordinated one-week online ATAL FDP on “Devices for Modern Wireless Communication” Sponsored by AICTE, New Delhi from 20/0/21 to 24/09/21.
- Coordinated 03 workshops on Virtual Lab in association with Virtual Lab IIT Kharagpur.
- Life Member of Institution of Electronics & Telecommunication Engineers.
- Life Member of Institution Indian Society of Telecom Engineers.
- Associate Member of Institution of India.
- Member of Indian Radio Science Society.