

Dr. Ajay Kumar
Assistant Professor
Department of Electronics & Communication Engineering
Qualifications: Ph. D, M. Tech, B. Tech.
Area of Interest: Microstrip Antenna
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Educational Qualifications:

- Ph.D. in Microstrip Antenna from Electronics & Communication Engineering Department, G.B Pant Institute of Engineering and Technology, Pauri-Garhwal (UK), India, 2022.
- M.Tech. in Digital Signal Processing, G.B.Pant Engineering College, Pauri Garhwal, 2012
- B.Tech. in Electronics & Communication Engineering, Graphic Era Institute of Technology, Dehradun, Uttarakhand, 2008

Work Experience:

- Assistant Professor, Department of Electronics & Communication Engineering, G.B Pant Institute of Engineering and Technology, Pauri-Garhwal (UK), India from 27th August 2012 to till date.
- Lecturer, Department of Electronics & Communication Engineering, government polytechnic, Srinagar - Garhwal (UK), India from March 2009 to May 2010

Administrative Experience:

- Departmental Alumni coordinator, Department of Electronics & Communication Engineering, G.B Pant Institute of Engineering and Technology, Pauri-Garhwal (UK), India
- B.Tech Course Counselor, Department of Electronics & Communication Engineering, G.B Pant Institute of Engineering and Technology, Pauri-Garhwal (UK), India
- Warden, Alaknanda Hostel, G. B. Pant Institute of Engineering & Technology Ghurdauri, Pauri Garhwal, from Feb. 2022 to till date

Subjects Taught:

1. Antenna and wave propagation
2. Communication Engineering
3. Data Communication
4. Radar & Navigation
5. Digital Filter design
6. Optical Communication
7. Measurement and Instrumentation
8. Operational Research

Area of Research:

- Design, Modeling and Simulation of Microstrip Antenna

Research Publications:

International Journals:

- Ajay kumar , A K Gautam, Richa gupta , S. Rajput , K .S. Bhatia and H .Kaur “Narrow beamwidth conical dielectric resonator antenna” Journal of optoelectronics and advanced materials, Vol. 24, No. 3-4, 2022, p. 175-186
- Ajay Kumar and Anil Kumar Gautam , “Design of Key-shaped Broadband Circularly Polarized Planar Antenna for ISM RFID Application,” Journal of Xi’an University of Architecture & Technology, Vol. XIII, Issue 10, 2021, pp. 328-334, ISSN No : 1006- 7930
- Ajay kumar and A K Gautam, “Annular Ring Slot Antenna for CP Operation ” in microwave and optical-technology letters,vo.55 no.6

International Conferences:

- Ajay kumar and A K Gautam, “ Annular Ring Slot Antenna with pair truncated corners for Circular polarization ” in proceeding of IEEE International conference on CODIS- 2012 Kolkata(india),28-29 December
- Ajay kumar and A K Gautam, “circularly polarized Wide Band Annular Ring Slot Antenna ” in proceeding of IEEE International conference on Electronics and Computer Technology, kanyakumari (india),6-8 april 2012

M. Tech. Thesis Supervision:

Completed

Arun Kumar, Printed UWB AC Shape Antenna with Reconfigurable Band-Notch Characteristics, 2018

Professional Activities:

Professional Affiliation:

1. Member, the Institute of Electrical and Electronic Engineers (IEEE).

Short-Term Courses/Faculty Development Programmes/Conferences Organized:

1. **Workshop:** One-week workshop on "Antenna Design, Fabrication and Measurement Technologies" Nov 25-29, 2019, Department of Electronics and Communication Engineering, GBPIET, Pauri.
2. **Faculty development Program:** Two Week Online Faculty Development Program on " Recent Research Trends in Electronics and Communication Engineering " Aug. 18-28, 2020, Department of Electronics and Communication Engineering, GBPIET, Pauri.
3. **International Conference:** Smart Machine Intelligence and Real-time Computing, Jun 26-27, 2020, Department of Electronics and Communication Engineering, GBPIET, Pauri.