



**MANAV RACHNA UNIVERSITY, FARIDABAD**  
Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

**Dr. Yogita Khanna**



**Designation** : Assistant Professor  
**Qualifications** : Ph.D.(Electronics & Communication Engineering)  
**Contact Detail** : Deptt. of Electronics & Communication Engineering, MRU, Faridabad  
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<https://scholar.google.com/citations?user=3kQnIeMAAAAJ&hl=en>

**Research Interest** : Antenna, Wireless communication, Metamaterials

**+ Journal Publication Details:**

- [1] Y. Khanna and Y. K. Awasthi, "Dual-Band Microwave Sensor for Investigation of Liquid Impurity Concentration Using a Metamaterial Complementary Split-Ring Resonator," Journal of Electronic Materials, vol. 49, pp. 385-394, (2020) (SCI)
- [2] Y. Khanna and Y. K. Awasthi, "Ultra-thin Wideband Polarization Insensitive Metasurface Absorber for Aviation," Journal of Electronic Materials, vol. 49, pp. 6410–6416, (2020) (SCI)
- [3] Taruna Kaswan Saini, Gitika Gupta, Yogita Gupta, Anchal Bhatia, Sunita Joshi, Y K Awasthi, "Design of a Stepped UWB Antenna with X-band downlink notched Using EBG Structure" International Journal of Innovative Research in Computer and Communication Engineering, vol. 4(4), pp.325-330, August 2016.
- [4] Gitika Gupta, Taruna Kaswan Saini, Yogita Gupta, Anchal Bhatia, Sunita Joshi, Y K Awasthi, "Triple Band CSRR Based Antenna Using EBG for GSM, WCDMA and WiMAX" International Journal of Innovative Research in Computer and Communication Engineering, vol. 4(4), pp. 90-95, August 2016.

**+ Conference Details:**

- [1] Yogita Khanna, Y K Awasthi, Rajan Gaur, Rohit Kumar, "Design of Metamaterial by Slotted Split Ring Resonator-SSRR for Dual Frequency Band Applications" IEEE SPIN-2019. (Scopus)
- [2] Yogita Khanna, Y K Awasthi, "Wideband Ultra-thin Metamaterial Absorber for Ku & K- Band Applications", IEEE SPIN-2020.(Scopus)
- [3] Gitika Gupta, Taruna Kaswan Saini, Yogita Gupta, Anchal Bhatia, Sunita Joshi, Y K Awasthi, "Penta Band Antenna for Wireless Application using EBG", National Conference on Emerging Trends & Innovation in Electronics and Telecommunication Engineering, June 2016.
- [4] Sunita Joshi, Yogita Gupta, Nitika, Y K Awasthi, Himanshu Singh, "Review on Tunable Terahertz Graphene Metamaterial", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, No. 4, August 2016.

**+ Research Supervised:**

[1] M.Tech Thesis on “**Design And Analysis Of EBG Based Antenna For Multiband Applications**” Year - 2016 (Completed)

[2] M.Tech Thesis on “**Design And Analysis Of EBG Based Antenna For Ultra Wide Band Applications**” Year - 2016 (Completed)

**+ Administrative Responsibilities:**

Convener IIC, Manav Rachna University.

Member Department core team for Annual Report

Member Board of Studies

Member, Annual Report Committee

Member, IPR/Startup Policy Committee

Coordinator, ALTAIR CoE

Technical coordinator National conference on Emerging Trends and Innovations in Electronics and Communication (ETIETE-2016) held in June, 2016 in association with IIITD, Delhi and IETE.

**+ Professional Affiliation:**

Member of IEEE.