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Dr. Yogita Khanna



Designation : Assistant Professor
Qualifications : Ph.D.(Electronics & Communication Engineering)
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Research Interest : Antenna, Wireless communication, Metamaterials

+ Journal Publication Details:

- [1] Yogita Khanna, Gaurav Saxena, Y K Awasthi, and Priyanka Jain, "Multiband Polarization Insensitive THz Metamaterial Absorber for Energy Harvesting and Optoelectronic Applications", AEM 2021 (SCI).
- [2] Khanna, Y., & Awasthi, Y. (2021). A single layer wideband metasurface absorber for electromagnetic interference minimization in Ku-band applications. International Journal of Microwave and Wireless Technologies, 1-7. doi:10.1017/S1759078721000970
- [3] 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)
- [4] 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)
- [5] 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.
- [6] 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 Gupta, Niharika Thakur, Sunita Joshi " RFID Technology for next-generation: Theory, Design and applications", International Conference on Robotics, Automation and Communication Engineering for Industry 4.0, 2022.
- [2] 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)
- [3] Yogita Khanna, Y K Awasthi, "Wideband Ultra-thin Metamaterial Absorber for Ku & K- Band

Applications", IEEE SPIN-2020.(Scopus)

[4]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.

[5] 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.