

## Brief Profile

<b>Name</b>	:	<b>Dr. Priyanka Garg</b>
<b>Date of Birth</b>	:	<b>28/12/1992</b>
<b>Educational Qualification</b>		
• <i>Ph.D.</i>	:	<b>RF &amp; Microwave</b>
• <i>M.Tech</i>	:	<b>Electronics and Communication</b>
• <i>B.Tech</i>	:	<b>Electronics and Telecommunication</b>
<b>Work Experience</b>		
• <i>Teaching</i>	:	<b>-</b>
• <i>Research / Industry</i>	:	<b>4.5 years</b>
<b>E-mail ID</b>	:	<b>priyanka.garg@miet.ac.in</b>
<b>Area of Interest</b>	:	<b>Metamaterials, absorbers, microstrip antennas, filters, MIMO antennas, electromagnetic theory.</b>
<b>Teaching</b>		
• <i>Subjects Taught at UG Level</i>	:	<b>Electromagnetic field theory, Microprocessor, Microwave Engineering</b>
• <i>Subjects Taught at PG Level</i>	:	<b>Research Process and Methodology</b>
<b>Research Guidance</b>		
• <i>B.Tech</i>	:	<b>3</b>
• <i>M.Tech</i>	:	<b>0</b>
• <i>Ph.D.</i>	:	<b>0</b>
<b>Research Publications</b>		
• <i>Journals</i>	:	<b>7</b>
• <i>Conferences</i>	:	<b>5</b>
• <i>Book Chapters</i>	:	<b>0</b>
<b>Patent/IPR (Books Published etc.)</b>	:	<b>Nil</b>
<b>No. of National/International Conferences attended/ Paper Presented</b>	:	<b>5</b>
<b>No. of Conferences Organized</b>	:	<b>Nil</b>
<b>STC/FDP/Seminars/Workshops Organized</b>	:	<b>1</b>
<b>STC/FDP/Summer/Winter Schools/Workshops /Seminars attended</b>	:	<b>5</b>
<b>Certification Courses (NPTEL etc.)</b>	:	<b>1</b>
<b>Memberships of the Professional Societies</b>	:	<b>Nil</b>
<b>Awards/Honors</b>	:	<b>Commendable Research Award by DTU</b>
<b>Any other relevant Information</b>	:	<b>Skills: Ansys HFSS, CST Microwave studio, ADS, MATLAB, LaTeX</b>

## LIST OF PUBLICATIONS

### Journal:

- [1] **P. Garg** and P. Jain, "Isolation Improvement of MIMO Antenna using a Novel Flower Shaped Metamaterial Absorber at 5.5 GHz WiMAX band" *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 67, no. 4, pp. 675-679, April 2020. **(SCI Journal with Impact factor: 3.292)**
- [2] **P. Garg** and P. Jain, "Novel Ultrathin Penta-Band Metamaterial Absorber", *AEU - International Journal of Electronics and Communications*, vol. 116, p. 153063, 2020. **(SCIE Journal with Impact factor: 3.183)**
- [3] **P. Garg** and P. Jain, "Design and Analysis of a Bandpass filter using Dual Composite Right/Left-Handed (D-CRLH) Transmission Line showing bandwidth enhancement", *Wireless Personal Communication*, vol. 120, pp. 1705-1720, 2021. **(SCIE Journal with Impact factor: 1.671)**
- [4] **P. Garg** and P. Jain, "Design and Analysis of a Metamaterial inspired dual band antenna for WLAN application" *International Journal of Microwave and Wireless Technologies*, vol. 11, no. 4, pp. 351-358, 2019. **(SCIE Journal with Impact factor: 0.939)**
- [5] **P. Garg** and P. Jain, "Design and analysis of Complementary split ring resonator backed microstrip transmission line using equivalent circuit model" *Journal of Communication Technology and Electronics*, vol. 63, no. 12, pp. 1424-1430, 2018. **(SCI Journal with Impact Factor: 0.529)**
- [6] **P. Garg** and P. Jain, "Metamaterial-based Patch Antennas-Review" *Advances in System Optimization and Control*, vol. 509, pp 65-81, 2019. **(SCOPUS)**
- [7] **P. Garg** and P. Jain, "Extraction of Equivalent Circuit Parameters of Metamaterial-Based Bandstop Filter," *Applications of Artificial Intelligence Techniques in Engineering*, vol. 697, pp. 173-179, 2019. **(SCOPUS)**

### Conferences:

- [1] **P. Garg** and P. Jain, "Analysis of a novel Metamaterial Absorber using equivalent circuit model operating at 3.5 GHz", presented in *IEEE International Conference on Computational Electromagnetics (ICCEM-2020)*, Singapore, 2020.
- [2] **P. Garg**, S. Awasthi and P. Jain "A Survey of Microwave Bandpass Filter Using Coupled Line Resonator - Research Design and Development", *Proceeding of International Conference on Sustainable Energy, Electronics and Computing Systems (SEEMS)*, October 27-28, 2018.
- [3] **P. Garg** and P. Jain, "Analysis of metamaterial based bandstop filter: A brief Review" presented in *Microelectronics, Computing & Communication Systems (MCCS-2020)*, July 11-12, 2020, Ranchi, Jharkhand, India.
- [4] **P. Garg** and P. Jain "Comparative analysis of Transmission line based Bandstop filters using different Metamaterial unit cells operating at 3 GHz" *Proceeding of International Conference on Signal Processing, VLSI and Communication Engineering (ICSPVCE-2019)*, March 28-30, 2019, New Delhi, India.
- [5] **P. Garg** and P. Jain, "A Review of Multiband Metamaterial Absorbers" presented in *National Conference on Microwave Absorbing Materials (VAMMAM-2020)*, Aug 23-24, 2020, Roorkee, India.