**Curriculum Vitae**

**Bisma Bukhari**  bismabukhari11@gmail.com

Department of Electronics and Communication Engineering +91- 7006823416, +91-9797149546

NIT-Srinagar   
Hazratbal, Srinagar, India, Pin-190006

**Academic Experience**

**Contractual Lecturer: 24th July 2017 to 1st September, 2017**

**University of Kashmir, Srinagar, India**

**Deptt. of Electronics and Instrumentation Technology**

**Education**

**Ph.D Electronics & Communication Engineering (Year 2022) (Submitted)**

NIT-Srinagar, Srinagar, India

**Thesis title:**“Compact Microstrip (Patch) Antennas for Modern Wireless

Applications”

**M.Tech in Electronics & Communication Engineering**  **(Year 2015-2017)**

Shri Mata Vaishno Devi University, Katra, Jammu

**Percentage: (87.4 %)**

**B.Tech in Electronics & Communication Engineering**  **(Year 2010-2014)**

University of Kashmir, Srinagar, India

**Percentage: (80.28 %)**

**National /State Exams Qualified/Honours:**

1. Qualified UGC/NTA National Eligibility Test **UGC-NET** June 2022 in the subject **Electronic Science** conducted by University Grants Commission, New Delhi, India
2. Received MHRD Fellowship for Ph.D. Course at NIT-Srinagar for 5 Years.

**Research Publications :**

1. Bisma Bukhari Ghulam Mohd Rather, “4-Port MIMO Antenna for Sub-1 GHz, IoT , and Sub-6 GHz 5G New Radio Applications,” Progress In Electromagnetics Research C, vol. 127, pp. 113-125, 2022. doi: [https://doi:10.2528/PIERC22090705](about:blank)
2. Bisma Bukhari Ghulam Mohd Rather, "Multiband Compact MIMO Antenna for Cognitive Radio, IoT and 5G New Radio Sub 6 GHz Applications," Progress In Electromagnetics Research C, vol. 121, pp. 265-279, 2022. doi: https://doi:10.2528/PIERC22051805
3. Bisma Bukhari Ghulam Mohd Rather, “An Investigative Study of Ground plane size on the performance of a Compact Co-axial-fed Microstrip Patch Antenna,” Journal of Engineering Science and Technology Review, vol.15, no. 6, pp. 155-163, 2022. doi: [https://doi:10.25103/jestr.156.19](about:blank)
4. K. R. Jha, B. Bukhari, C. Singh, G. Mishra and S. K. Sharma, “Compact Planar Multistandard MIMO Antenna for IoT Applications,” in IEEE Transactions on Antennas and Propagation, vol. 66, no. 7, pp. 3327-3336, July 2018, doi: 10.1109/TAP.2018.2829533.
5. B. Bukhari and G. M. Rather, “Effect of Patch Location on the Performance of a Rectangular Microstrip Antenna,” 2022 3rd IEEE International Conference for Emerging Technology (INCET), pp. 1-4, 2022. https://doi: 10.1109/INCET54531.2022.9824700
6. B. Bukhari and G. M. Rather, “Multiband Compact MIMO Antenna for Sub-6 GHz Applications,” 2022 IEEE Microwaves, Antennas and Propagation Conference (MAPCON), Bangalore, India, 2022, pp. 702-706, doi: 10.1109/MAPCON56011.2022.10046988.2022.
7. B. Bukhari and G. M. Rather, “Ground Plane Effects on the Performance of a Rectangular Microstrip Patch Antenna: A Study,” 2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE), pp. 1-5, 2020.

https://doi: 10.1109/ICRAIE51050.2020.9358371.

1. B. Bukhari, C. Singh, K. R. Jha and S. K. Sharma, “Planar MIMO antennas for IoT and CR applications,” 2017 IEEE Applied Electromagnetics Conference (AEMC), Aurangabad, India, 2017, pp. 1-2, doi: 10.1109/AEMC.2017.8325738.

**Workshops/Orientation/Refresher Programmes Attended**

1. Participated in 10 days (18th-27thApril, 2022) faculty development programme (FDP) on “Applications of Applied Signal Processing, Communications and Devices for IoT driven e-Health Care” conducted by Electronics & ICT Academy, NIT Warangal in association with Deptt. Of Electronics & Instrumentation Technology, University of Kashmir, Srinagar, J&K (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)
2. Participated in One Week (20th-24thNovember, 2020) Indo-Canada SPARC-Course on “Dielectric Resonator and its Applications”, **DRA-2020** organised by Deptt. of Electronics & Communication Engineering, NIT Silchar, India in association with Delhi Technological University, Delhi, India and Queen’s University, Kingston, Canada.
3. Participated in One Week (8th-13thDecember, 2020) on “Microwave and Antenna Applications in 5G” jointly organized by AP-MTT Chapter Bangalore and IEEE Bangalore Section.
4. Participated in One Week (17th-21stJuly, 2020) Indo-Canada SPARC-Workshop on “RF Energy Harvesting Systems”, **REHS-2020** organised by Deptt. of Electronics & Communication Engineering, NIT Silchar, India in association with Delhi Technological University, Delhi, India and Queen’s University, Kingston, Canada.
5. Attended 2 Days (5th-6thJune, 2020) Webinar on “MIMO Antennas for 5G Communications Using CST Studio Suite” organized by Deptt. of Electronic Science, University of Delhi South Campus, New Delhi.
6. Attended a Webinar on “Internet of Things (IoT)-Industrial Perspective” on 11th July, 2020 organised by BVICAM, New Delhi.
7. Attended a Webinar on “Citations and Reference Management using Mendeley” on 14th August, 2020 organised by BVICAM, New Delhi.
8. Completed a Course on “30W Power Amplifier Design Flow using Wolfspeed GaN Large Signal Models in AWR” on 28th July, 2020.
9. Attended 2 Days (8th-9th June, 2019) Workshop on “Scientific and Technical Documentation Using LATEX” organized by Deptt. of Electrical Engineering, NIT-Srinagar
10. Participated in Webinar on “Exploring the E-Learning Resources of IEEE” on 18th July, 2020 organised by IEEE India Council.
11. Participated in Workshop on “Innovation in Antenna Design and Analysis” on 9th July, 2020 organised by IEEE India Council.
12. Attended 2 Days workshop (28th-29th September, 2018) on “High-Frequency Structure Simulator (HFSS)” conducted by IEEE-MTTS IIT Delhi Hauz Khas, New Delhi, India.
13. Participated in One Day (October, 2013) Workshop on “T2B Robotics based on LEGO Mindstorms NXT9797 & NXT G Programming” organized by DEIT, University of Kashmir, Srinagar.
14. Participated in One Day (13th October, 2012) Workshop on “Promoting Innovations in Individuals, Start-ups and Micro, Small & Medium Enterprises (PRISM) and Technopreneurship Promotion Programme (TePP) Sensitization” at NIT-Srinagar organized by TePP Outreach Centre (TUC) USIC, University of Kashmir, Srinagar.

**Invited Lectures/Resource Person**

1. Acted as Resource person at NIT-Sringar for conducting four to six week training programs to undergraduate B.Tech students of various academic Institutes of J&K.

**Programming Skill Set:**

* + MATLAB, Qualnet, CST Microwave Studio Simulator, Ansoft HFSS, MS Word, Microsoft Excel, C