



## Dr RABIYA SAMOON

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District Baramulla, Jammu & Kashmir - 193201  
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## Objective

Dedicated and motivated academic professional seeking to leverage expertise in Medicinal and Green Chemistry for impactful research and teaching. Passionate about innovation in drug design and synthesis, aiming to contribute meaningfully to scientific advancements.

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## Professional Experience

**Assistant Professor (Chemistry)**  
*Department of Botany, University of Kashmir (North Campus)*  
(Current Position)

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## Academic Qualifications

Degree	Year	Institution	Percentage/Marks
<b>Ph.D. (Chemistry)</b>	2024 (Oct)	Jamia Hamdard, New Delhi	-
<b>M.Sc. (Chemistry)</b>	2015	University of Kashmir, Srinagar	60.25% (1146/2400)
<b>B.Sc.</b>	2013	University of Kashmir, Srinagar	64.05% (1153/1800)
<b>12th (Higher Secondary)</b>	2009	J&K BOSE	75.20% (654/750)
<b>10th (Matriculation)</b>	2007	J&K BOSE	84.20% (421/500)

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## Academic Achievements

- **M.Sc. Dissertation:** *Agonist and Antagonists as Drugs* under the supervision of **Prof. M.A. Khuroo**, Dept. of Chemistry, University of Kashmir.
  - **Ph.D. Research:** *Development of Novel Non-Covalent DprE1 Inhibitors to Combat Tubercular Infections*
    - Supervised by **Dr. Syed Shafi**, Assistant Professor, Dept. of Chemistry
    - Co-supervised by **Prof. M. Z. Abdin**, Dept. of Biotechnology, SCLS, Jamia Hamdard
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## Research Interests

- **Medicinal Chemistry** – Drug design and development
  - **Green Chemistry** – Sustainable reaction conditions, green solvents, and eco-friendly methodologies
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## Technical Skills & Expertise

- **Synthesis, Design & Characterization of Organic Molecules** (3+ years of experience in research projects)
  - **X-ray Crystallography**
  - **NMR Spectroscopy** (*<sup>1</sup>H and <sup>13</sup>C NMR*)
  - **Molecular Docking** for drug discovery and design
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## Conferences & Workshops

1. **Poster Presentation:** “*Benzfused Heterocycle Based DprE1 Inhibitors as Potential Anti-tubercular Agents*” at the International Conference on ‘Recent Advances in Biomedical Sciences and Regenerative Medicine (RBSRM)’, SKUAST-K, Srinagar-Kashmir, India, 2022.
2. **Poster Presentation:** “*Benzothiazole-based Hybrid Conjugates of Bioactive Ligands as Anti-tubercular agents; Synthesis and In Silico Screening for DprE1*” at the 6th International IASTAM Conclave, Jamia Hamdard, New Delhi, India, 2020.
3. **Oral Presentation:** “*Small-peptide Conjugates of Benzothiazole-2-carboxylic acids as Anti-tubercular Agents; Synthesis, Characterization and In Silico screening for DprE1*” at the International Conference on Nanotechnology and Drug Delivery (ICNDD-2023), Jamia Hamdard, New Delhi, 09-10 February 2023.

4. **Workshop:** *Introduction to Nano Particle Characterisation by Dynamic Light Scattering*, Jamia Hamdard, New Delhi, 2022.
  5. **ICMR Workshop:** *Frontiers in Neuroscience and Neurochemistry: Dynamic Challenges and Approaches*, Jamia Hamdard, New Delhi, India, 2019.
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## Publications

- Samoon, Rabiya, Shashikanta Sau, Arif Khan, Insha Latief, Nitin Pal Kalia, Malik Zainul Abdin, and Syed Shafi. "Small Peptide Conjugates of Benzothiazole-2-Carboxylic Acids Targeting DprE1 Against Tuberculosis." **Chemistry Select** 9, no. 15 (2024): e202400320.
  - Samoon, Rabiya, Shashikanta Sau, Arnab Roy, Kishan Kumar Parida, Kalicharan Sharma, Prasanna Anjaneyulu Yakkala, Rikeshwer Prasad Dewangan, Malik Zainul Abdin, Nitin Pal Kalia, and Syed Shafi. "Development and Evaluation of Bis-benzothiazoles as a New Class of Benzothiazoles Targeting DprE1 as Antitubercular Agents." *ACS Infectious Diseases* 10, no. 9 (2024): 3320-3331.
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## Personal Details

- **Father's Name:** Muzaffar Hassan Samoon
  - **Mother's Name:** Naseema Bano
  - **Date of Birth:** 10-03-1992
  - **Gender:** Female
  - **Marital Status:** Married
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