

Ayesha Aiman

To work in a research-oriented institute with a performance-driven environment where I can demonstrate and apply my knowledge and skills and put my best efforts into the organization as well as achieve individual goals.

EXPERIENCE

Ph.D. Research Scholar — Jamia Millia Islamia

August 2021 - PRESENT

EDUCATION

Ph.D. BIOSCIENCES — Jamia Millia Islamia, Delhi

August 2021 - PRESENT

M.Sc. BIOCHEMISTRY — Jamia Millia Islamia, Delhi

2018 - 2020

Aggregate - 9.05 CGPA

B.Sc. BIOSCIENCES — Jamia Millia Islamia, Delhi

2015-2018

Percentage - 80.37%

INTERMEDIATE — M.A.F ACADEMY, NOIDA

2011-2013

SCIENCE STREAM

Percentage - 80.6%

MATRICULATION — M.A.F ACADEMY, NOIDA

2009-2011

Aggregate - 9.2 CGPA

INFORMATION SESSION, SEMINAR & CONFERENCES

- INFORMATIVE SESSION by Prof. Dr. Joachim Spatz at IIT, Delhi
- "Genetic disorders of dietary excess: Getting to the heart of the matter" 2019 by Dr. Helen Hobbs at JNU, Delhi
- NATIONAL CONFERENCE (NCRABS), 2020, JMI, Delhi
- SPARC INDO-US IMMUNOLOGY WORKSHOP, 2020
- INDO-SINGAPORE WORKSHOP on "Cardiovascular Diseases: An Insight to New Advances and their Translational Application" 24th - 29th SEPTEMBER, 2021
- "Understand & Explore The World of Fluorescence", Theory and skill development, 25th -27th May 2022, IIT Delhi
- Poster presentation in National seminar on Biophysics, Biophysika 2023, JMI Delhi
- Poster presentation in NCIACS-2023, JMI Delhi

LABORATORY SKILLS

- Bacterial cell culture, cloning, protein expression, and purification, chromatographic techniques
- Gel electrophoresis, PCR, SDS PAGE, western blotting
- Advanced spectroscopy techniques such as fluorescence, UV-visible, DSC, ITC, etc.
- Immunodiffusion techniques

CONTACT

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ACHIEVEMENTS

PMRF 2022, ICAR-JRF 2021, GATE 2021, among toppers in B.Sc. and M.Sc.

Excellent performance in the World Microbiome quiz (2020)

PUBLICATIONS & RESEARCH WORK

- "Isolation and Clone verification of recombinant IRF-1 and IRF-2 plasmids in *E. Coli*" under the supervision of Prof. P.C. Rath at JNU, New Delhi.
- Wani, S. A., Aiman, A., & Basir, S. F. (2021), "Role of Vascular Inflammation in the induction of hypertension and therapeutic role of plant-derived terpenes", *World Journal of Pharmacy and Pharmaceutical Sciences*, Volume 10, Issue 9, 1910-1935. Impact factor-7.632 [DOI:10.20959/wjpps20219-19992](https://doi.org/10.20959/wjpps20219-19992)
- Aiman, A., Basir, S. F., & Islam, A. (2022). Interferons Horizon Therapeutics. In (Ed.), Interferon - Immune Metabolism [Working Title]. IntechOpen. <https://doi.org/10.5772/intechopen.104718>
- Aiman, A., Irshad, E., Islam, A. & Basir, S. F. "Post-menopausal Hormone Therapy and its risks and benefits" (*under communication*)
- Ali, N., Aiman, A., Shamsi, A., Hassan, I., Shahid, M., Gaur, N. A., & Islam, A. (2022). Identification of Thermostable Xylose Reductase from *Thermothelomyces thermophilus*: A Biochemical Characterization Approach to Meet Biofuel Challenges. *ACS omega*, 7(48), 44241-44250.
- Khan, T., Waseem, R., Zehra, Z., Aiman, A., Bhardwaj, P., Ansari, J., ... & Islam, A. (2022). Mitochondrial Dysfunction: Pathophysiology and Mitochondria-Targeted Drug Delivery Approaches. *Pharmaceutics*, 14(12), 2657.

TECHNICAL SKILLS

MS-OFFICE, C++ programming beginner, Origin, sigma plot, computational biology