



(Er. Umme Aiman)

**Lab Instructor, Department of Bioengineering, Faculty of Engineering,
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PROFILE

- Joined as a lab instructor in the Bioinformatics Lab since 2024 at the Department of Bioengineering, Integral University, Lucknow.
- Currently pursuing a Ph.D. in Bioinformatics since 2024 at the Department of Bioengineering, Integral University, Lucknow.
- M. Tech (Bioinformatics) | (Accredited with Gold Medal) | INTEGRAL UNIVERSITY Lucknow | 9.8 CGPA | 2021-2023
- B. Tech (Biotechnology) | INTEGRAL UNIVERSITY | Lucknow | 7.48 CGPA | 2017-2021
- Intermediate | CBSE | PCB, English and Physical Education | Kanpur | 66.4 % | 2016-2017
- Matriculation | CBSE | Science, Social Science, Math, English and Hindi | Kanpur | 7.8 CGPA | 2016-2017

RESEARCH INTERESTS:

- Bioinformatics
- Computer-Aided Drug Designing
- Computational Biology

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- M. Tech Dissertation | Dr. M. I. Siddiqui (Senior Principal Scientist) | CSIR- Central Drug Research Institute | Lucknow | (February 2023- August 2023)

Topic: “To Identify the Potent Dual Inhibitor against IL-6R & GP-130 through CADD”

- International workshop on “Cancer Genomics & Bioinformatics” from DE- code LIFE
- Internship cum project on “Next Generation Sequencing and Whole Genome Sequencing Pipeline” from NyBerMan Bioinformatics

COURSE TAUGHT:

- Bioinformatics

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Member of NAAC CRITERIA 5 at the departmental level
- Lab Instructor in the Department of Bioengineering

STUDENTS SUPERVISION

- Online BI tutor of International and national Students of B.Sc. and M. Sc level
- Guided students of B. Tech with their dissertations/Projects

ABSTRACT PUBLISHED IN INTERNATIONAL CONFERENCE

- **Umme Aiman**, Usman Sayeed, Salman Akhtar, Mohammad Kalim Ahmad Khan. Harnessing AI and Molecular Simulations for Precision Therapy in Rheumatoid Arthritis in International Conference on Trends & Innovations in Science and Engineering: Bridging the Industry-Academia Interface on 20th-22nd February 2025, at Integral University, Lucknow.
 - Shrish Chandra Pandey, **Umme Aiman**, Salman Akhtar, Mohammad Kalim Ahmad Khan. Harnessing Target-Based Identification of Selective Inhibitors for Tudor Domain II of Splindlin-1 in International Conference on Trends & Innovations in Science and Engineering: Bridging the Industry-Academia Interface on 20th-22nd February 2025, at Integral University, Lucknow.
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