



Aneesa Ijaz

Nationality: Pakistani **Date of birth:** 01/08/1998 **Gender:** Female

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ABOUT ME

With a Master's degree in Industrial Biotechnology, I have developed strong expertise in nanotechnology-based drug delivery approaches, with a deep interest in their application for therapeutic innovation. My academic background has provided a solid foundation in experimental techniques, data analysis, and the integration of nanotechnology in biomedical research. I am equally passionate about teaching, aiming to create engaging and concept-driven learning environments that promote curiosity and critical thinking. I'm eager to contribute to an institution that values both cutting-edge research and impactful teaching in the life sciences.

EDUCATION AND TRAINING

MS INDUSTRIAL BIOTECHNOLOGY

National University Of Sciences and Technology (NUST) [10/10/2020 – 27/12/2022]

City: Islamabad | **Country:** Pakistan | **Website:** <https://nust.edu.pk> | **Field(s) of study:** Nano Biotechnology | **Final grade:** A | **Thesis:** "In- vitro sono_thrombolysis by using streptokinase loaded pre-PGS microbubbles for the treatment of Ischemic stroke"

- Synthesis and characterization of drug loaded Micro-bubbles
- SEM analysis
- FTIR
- ZETA Potential measurement
- Mean gray intensity analysis
- UV visible spectrophotometry
- Fibrin degradation analysis

Bachelors in Biotechnology

University of Sargodha (UOS) [10/09/2016 – 05/06/2020]

City: Sargodha | **Country:** Pakistan | **Website:** <https://su.edu.pk> | **Field(s) of study:** Biotechnology | **Final grade:** A

Intern

National Agricultural Research Centre (NARC) [01/07/2019 – 01/08/2019]

City: Islamabad | **Country:** Pakistan | **Website:** <https://parc.gov.pk>

- ELISA
- PCR
- Culture techniques
- Gel electrophoresis
- Staining techniques
- slide formation
- Microscopy

PUBLICATIONS

[2025]

MicroRNA-mediated heat stress regulations in plants: mechanisms and targets"

Journal Name: The Plant Genome
Accepted

[2025]
Industrial Aspects of Plant UDP-Glycosyltransferases (UGTs)

Journal Name: Journal of Integrative Plant Biology
Submitted

WORK EXPERIENCE

University of Agriculture Faislabad – Faislabad, Pakistan

City: Faislabad | Country: Pakistan

Lecturer

[28/10/2024 – Current]

University Of Agriculture, Faisalabad – Faisalabad, Pakistan

City: Faisalabad | Country: Pakistan

Assistant Superintendent,

[28/10/2024 – Current]

Supervision and Discipline: Maintain order and discipline among hostel residents, ensure compliance with hostel rules, and assist in resolving conflicts or behavioral issues.
Resident Welfare: Monitor the well-being of students, address their concerns, and provide support in case of health, personal, or academic issues.
Daily Administration: Assist in managing the day-to-day operations of the hostel, such as attendance, room allotment, and record-keeping.
Coordination with Staff and Authorities: Liaise with the Hostel Superintendent, wardens, maintenance staff, and university administration for smooth functioning of the hostel.
Safety and Hygiene Oversight: Ensure that the hostel premises are safe, clean, and well-maintained; report or address any maintenance or security issues promptly.

LANGUAGE SKILLS

Mother tongue(s): Panjabi; Punjabi

Other language(s):

Urdu

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Powerpoint / Microsoft Excel / Microsoft Office / Microsoft Word