

Sara Ishaq

Microbiologist and molecular geneticist

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Professional Experience

Research Project Intern , Punjab HIV/AIDS control program (Lahore, Pakistan)	12/2025 – Present
Microbiology Intern , Sheikh Zayed hospital (Lahore, Pakistan)	01/2025 – 09/2025
Lecturer , Punjab inter girls college Alipur (District: M.Garh, Pakistan)	09/2022 – 11/2024

Education

Ph.D in IMBB (institute of Molecular biology and Biotechnology) The University of Lahore (Lahore, Pakistan) Research Topic: Expression Profiling of circRNA and Inflammation Related Genes in Diabetic Foot Ulcers infected with <i>Pseudomonas Aeruginosa</i> CGPA 3.99/4 (Thesis is about to submit)	2024 – 2027
M.Phil in MMG (Microbiology and Molecular Genetics) The Women university Multan (Multan, Pakistan) Research Topic: Probiotic Potential of Indigenous <i>Lactobacillus</i> and Yeast Encapsulated in Alginate beads and their impact on Yogurt Formation CGPA 3.4/4	09/2021 – 07/2023
Bachelor in MMG (Microbiology and Molecular Genetics) The Women university Multan (Multan, Pakistan) CGPA 3.2/4	07/2017-09/20
F. Sc Pre-Medical 04/2015-09/2017 Punjab inter girls college Alipur (BISE D.G Khan) Marks 918/1100	Matric (Science) 04/2012-08/2014 Rashid girls higher Secondary, School (BISE D.G Khan) Marks 918/1100

Skills

Technical skills: Laboratory management, Microbiology culturing and isolation techniques, Disc Diffusion, DNA/RNA Extraction, Conventional Polymerase Chain reaction (PCR), Gel Electrophoresis, RT-PCR

Soft Skills: Research methodology Scientific report writing Expert in MS Word, Excel Primer designing, Insilco PCR and primer validation Bioinformatics Data Analysis

Certificates

Student Organizer (16th-17th March 2023)
International Conference on Emerging Trends & Technologies in Microbiology and Molecular

Appreciation certificate (21st November 2022)
As an audience in 1st international symposium on Recent trends in Antimicrobial Resistance. The Women University Multan

Appreciation certificate (29th November 2019)
3rd position in Model exhibition in the department of Microbiology and Molecular Genetics, The Women University Multan.

Appreciation certificate (24-26 November 2021)

As an attendee in international conference on inter-disciplinary innovation and invention in Biotechnology and Nanotechnology. The Women university Multan.

Appreciation certificate (2nd December 2019)
For participation of model exhibition for the subject soil and agriculture in the Department of Microbiology and Molecular Genetics, The Woman University Multan.

Publications

1) **Probiotic potential of Indigenous Lactobacillus and yeast Encapsulated in Alginate beads and their impact on yogurt formation** 02/02/2024

Journal of Xi'an shiyou , Natural sciences Edition
<https://www.xisdxjsu.asia/viewarticle.php?aid=3058> 🌐

2) **The Role of circRNAs in Infected and Non-infected Diabetic Foot Ulcers Review Article** (under review of recognized journal)