

Dr. Qurat-ul-Ain

Creative, Confident, and Visionary

Contact Information

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Professional Objective

To leverage my expertise in Zoology, teaching, and research to contribute significantly to the academic community, fostering innovation and growth while advancing my professional career in a reputable institution.

Education (Throughout First Division)

- **Ph.D. in Zoology**
University of the Punjab, Lahore, Pakistan (2018 – 2024)
 - **CGPA:** 4.00/4
 - **M.Phil. in Zoology**
University of the Punjab, Lahore, Pakistan (2015 – 2017)
 - **CGPA:** 3.84/4
 - **B.Ed. (Science Education)**
Allama Iqbal Open University, Pakistan (2016 – 2018)
 - **Marks:** 1310/1800
 - **BS (Hons) in Zoology**
University of the Punjab, Lahore, Pakistan (2010 – 2014)
 - **CGPA:** 3.31/4
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Research Experience and Projects

- **HEC Project Studentship (PhD research work)**
Molecular Identification of Fishes from Punjab to Assess Present Biodiversity and Promote Export of Meat Products
Institute of Zoology, University of the Punjab, Lahore (2020 – 2022)
 - Conducted molecular identification to support sustainable fish product's export.
 - Funded by the Higher Education Commission (HEC) under the National Research Programme for Universities (Grant Worth: PKR 4,159,441).
 - Utilized molecular biology techniques, including DNA extraction, PCR, and phylogenetic analysis.
 - **Research Assistant**, Institute of Zoology, University of the Punjab
2021 - 2024
 - Conducted research under the guidance of Prof. (R) Dr. Javed Iqbal Qazi

(Institute of Zoology) and Associate Professor Dr. Hafiz Abdullah Shakir.

- - **Isolation and Molecular Characterization of Phosphate Solubilizing Bacteria (MS research work)**
Centre for Applied Molecular Biology (CAMB), University of the Punjab (2017 – 2018)
 - Led a project aimed at enhancing soil fertility and crop yield through microbial inoculants.
 - **Research Assistant**, CAMB, University of the Punjab
2016 - 2017
 - Conducted research under the guidance of Prof. (R) Dr. Javed Iqbal Qazi (Institute of Zoology) and Dr. Ghulam Zahra Jahangir (CAMB).
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Teaching Experience

- **IPFP fellow**, Zoology department, Baba Guru Nanak University, Nankana sahib (27th Jan. 2026 –till date)
 - **Lecturer (CTI) in Zoology**, Govt. Post Graduate Colleges (W), Satellite Town Gujranwala (Nov. 2024 –May 2025)
 - Taught Environmental Biology, Entomology, Paleontology, Zoogeography, Animal forms and Function, General Zoology; employing innovative teaching and research methods to maximize student engagement and learning.
 - **Lecturer in Biology**, ILM Group of Colleges, Gujranwala (2018 – 2020)
 - Taught Biology, employing innovative teaching methods to maximize student engagement and learning.
 - **Head of Department, Biology**, ILM Group of Colleges, Gujranwala (2018 – 2020)
 - Managed the Biology department, provided faculty support, and developed academic plans.
 - **Lecturer in Zoology**, University of Education, Township campus, Lahore (2018)
 - Courses Taught: *Principles of Systematics, Evolution*
 - Facilitated lectures and supervised lab sessions.
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Academic Administration

- **Controller of Examinations**, ILM Group of Colleges, Gujranwala
2018 - 2019
 - Managed the examination process, maintained academic standards, and streamlined evaluation systems.
 - **Organizer, International Fisheries and Aquaculture Conference 2023**
 - Worked as a member of organizing team in conference held on February 8-9, 2023.
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Skills

- Teaching
- Effective Communication
- Leadership and Team Management
- Research and Data Analysis

- Statistical analysis
- MS Office, Simulation Softwares
- Decision-Making and Problem-Solving

Awards and Honors

- **Best Teacher Award**
ILM Group of Colleges, Gujranwala (2018)
- **1st Position in Essay Writing Competition**
Government College, Gujranwala (2014)
- **Youth Initiative Laptop Award on Merit**
Govt. Post Graduate College for Women, Gujranwala (2013)

Research Interests

- **Microbiology:**
Specializing in microbial diversity, ecology, and biotechnological applications.
- **Molecular Biology Techniques:**
Expertise in DNA/RNA extraction, PCR, gel electrophoresis, sequencing, and bioinformatics.

Publications

- **2023:** *Comparison of Different DNA Extraction Methods for Processed Fresh/Frozen and Fried Nuggets of Freshwater Fish, Labeo rohita*
 - *Authors:* Qurat-ul-Ain, Shakir, H.A., Qazi, J.I.
 - *Journal:* XISDXJSU.asia, 19(12): 546-553.
 - **2019:** *Bio-fertilizing Efficiency of Phosphate Solubilizing Bacteria in Natural Environment: A Field Study on Stress-Tolerant Potato (Sol. tuberosum)*
 - *Authors:* Jahangir, G.Z., Arshad, Q.-U.-A., Shah, A., Younas, A., Naz, S., Ali, Q.
 - *Journal:* Applied Ecology and Environmental Research, 17(5): 10845-10859.
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Workshops and Training

- **Skills for Conducting a Successful Survey**
 - Workshop on survey methodologies and data collection techniques (November 15, 2022).
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Languages

- English (Fluent)
 - Urdu (Native)
 - Punjabi (Fluent)
 - Arabic (Beginner)
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Interests

- Advancing research in Microbiology and Molecular Biology
 - Publishing scientific articles and participating in academic conferences
 - Teaching and curriculum development in Zoology
 - Community outreach and promoting science education
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Teaching Philosophy

My teaching philosophy is rooted in fostering critical thinking, promoting active learning, and creating an inclusive environment. I encourage students to question assumptions and analyze data through case studies, research projects, and interactive discussions. I engage students in group activities and problem-based learning to enhance understanding and retention. Additionally, I strive to create a classroom where all perspectives are valued, and diverse learning styles are accommodated, ensuring every student feels respected and supported.

References will be furnished on demand