

Dr. Muhammad Abaid Ullah

Assistant Professor

Department of Microbiology & Molecular Genetics (MMG), BZU, Multan-Pakistan

m.abaidullah@bzu.edu.pk; machaudhary_qau@yahoo.com; 0092-300-5581144

Professional Summary

Assistant Professor of Microbiology and Molecular Genetics with extensive academic and research experience in plant-microbe interactions, biofertilizers, and molecular biology. Award-winning researcher with over 25 publications, 562 citations, and leadership in multiple national and international research projects. Recognized for contributions in science communication, supervision of graduate students, and securing multi-million rupee grants.

Education

Degree	Year	Institution	Thesis/Dissertation Title
Post Doctorate	2018	CUI, Islamabad	Use of Rhizobium spp to enhance the nutritional value and yield of lentil genetic resources
PhD (Biosciences)	2015	CUI, Islamabad	Improvement of wheat nutrients through zinc mobilizing PGPR
M.Phil (Cell & Molecular Biology)	2009	QAU, Islamabad	Genetic studies of quantitative traits in wheat germplasm under stripe rust stress
BS (Botany)	2007	BZU, Multan	Zinc phytotoxicity in three varieties of wheat

Academic & Professional Positions

- Assistant Professor (TTS), BZU, Multan (Jul 2022 – Present)
- Assistant Professor (Contract), KFUEIT, Rahim Yar Khan (Jul 2020 – Jun 2022)
- Visiting Lecturer, CUVAS, Bahawalpur (Feb 2020 – Jun 2020)
- Post Doctorate Fellow, COMSATS University Islamabad (Jul 2018 – Jun 2019)
- Senior Scientific Officer, COMSATS University Islamabad (Apr 2017 – Dec 2017)
- Assistant Professor (IPFP), BZU, Multan (Sep 2015 – Dec 2016)
- Research Associate, COMSATS University Islamabad (Apr 2015 – Sep 2015)
- Visiting Researcher, Austrian Institute of Technology (AIT), Vienna (Nov 2012 – Apr 2013)
- Research Associate, QAU, Islamabad (Apr 2007 – Aug 2008)

Honors & Awards

- Research Productivity Award – KFUEIT (2022)
- Best Reviewer Award – PLOS ONE (2021)
- Excellent Science Popularization Ambassador – Shanghai Science Festival (2018)
- Research Productivity Award – CUI, Islamabad (2015)
- Poster Competition Awards – COMSATS University (2010, 2011)
- 2nd Prize – International Science Conference, AJK (2010)

Research Grants

PI/Co-PI on 6 funded projects, securing over Rs. 20 million from HEC, NRPU, ALP-PARC, and CUI. Projects focused on biofortification of wheat, rhizobial inoculants, and plant growth promoting bacteria.

Publications

Author of 25 peer-reviewed journal articles, 3 book chapters, and 3 conference papers. Selected publications include:

- Habib, S.S., et al. (2025). Bioaccumulation and Biochemical Response of Cadmium in Labeo Rohita. Carpathian Journal of Earth and Environmental Sciences.
- Hashmi, M.A.H., et al. (2025). Assessment of Trace Elements and Fluoride Contamination in Kabul River. Fluoride Journal.
- Sarwar, A., et al. (2018). Qualitative analysis of biosurfactants from Bacillus species. PLOS ONE.
- Abaid-Ullah, M., et al. (2015). PGPR: An alternate way to improve yield and quality of wheat. Int. J. Agric. Biol.

Professional Memberships

- American Society of Microbiology (ASM)
- Microbiology Society (UK)
- Botanical Society of Pakistan (BSP)
- Nature Methods
- Scaling Up Nutrition Academia and Research (SUNAAR) Network
- International Network for Government Science Advice (INGSA)