

CURRICULUM VITAE

Ms. Tayyaba Riaz

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Google Scholar: <https://scholar.google.com/citations?user=o1uheRMAAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Tayyaba-Riaz-3>

Career Objectives

A dedicated academic and researcher with expertise in Plant Sciences, particularly Plant Physiology, Abiotic Stress Physiology. Passionate about teaching, research, curriculum development, and laboratory management while contributing to high-quality scientific research and student mentoring.

Educational Qualifications

M.Phil	Botany	The Women University Multan	2020	3.71/4.00
BS	Botany	The Islamia University of Bahawalpur	2018	3.74/4.00
F.Sc.	Pre-Medical	Govt. Girls Degree College Haroonabad	2014	73%
Matric	Science	Khalid Public High School Haroonabad	2012	82%

Professional Experience

Lecturer (Botany)

Cholistan University of Veterinary and Animal Sciences (CUVAS), Bahawalpur

Responsibilities

- Teaching undergraduate courses
- Conducting practical laboratory classes

- Curriculum implementation
- Student academic advising
- Laboratory management
- Preparation of examinations and assessments
- Supervising M.phil students

Previous Experience

- Visiting Lecturer, Cholistan University of Veterinary and Animal Sciences
- Lecturer, Aspire Group of Colleges
- Biology Teacher, J.P. School System, Lahore
- Biology Teacher, Khalid Public High School Haroonabad

Research Interests

- Plant Physiology
- Abiotic Stress Physiology
- Salinity Stress Tolerance
- Desert Agriculture
- Phytochemistry
- Medicinal Plants
- Plant Nutrition
- Sustainable Agriculture

Courses Taught

- Plant Physiology
- Plant Biochemistry
- Plant Nutrient Analysis
- General Botany
- Environmental Biology

Research Publications

Published Papers

1. Shumaila, K., Chandni, Z., Riaz, T., Sara, A., Aimen, A., Bushra, A., & Mujahid, A. (2024).
The significance of chlorophylls and carotenoids in enhancing seed tolerance to abiotic stress. *Biological and Clinical Sciences Research Journal*, 2024(1), Article 1065.
DOI: <https://doi.org/10.54112/bcsrj.v2024i1.1065>
2. Batool, T., Ahmad, S., Javed, M. S., Ramzan, M. A., Riaz, T., Shahzad, N., ... & Abbas, N. (2024).
Innovative Aspect Towards the Synthesis, Characterization of Nanoparticles and Advanced Applications for Development in Various Industries. *Scholars Bulletin*, 10(7), 167–173.
3. Lanjar, Z., Fatima, R., Saddiqa, M., Hayat, M. K., Soomro, I. A., Riaz, T., Younas, U., Akram, Q., Naeem, M. A., Aslam, M. A., & Sultan, R. (2024).
Comprehensive analysis of COL1A1 expression, methylation, and genetic alterations in liver hepatocellular carcinoma. *Journal of Population Therapeutics and Clinical Pharmacology*, 31(6), 1014–1027.
DOI: <https://doi.org/10.53555/jptcp.v31i6.6604>

Laboratory & Research Skills

- Phytochemical extraction
- Herbarium preparation
- Plant physiological analysis
- Soil analysis
- Plant nutrient analysis
- Spectrophotometry
- Chlorophyll estimation
- Experimental design
- Scientific writing
- Research methodology

Technical Skills

- Microsoft Office Suite

- SPSS
- Mendeley
- Zotero
- Learning Management System (LMS)

Professional Trainings & Workshops

- International Paleontology Seminar (2025)
- National Outreach Program for Faculty Development (HEC)
- Pak–UK Education Gateway Cascading Training
- Learning Management System (LMS) Training
- Hilal Talks Session 2025
- Seminar on Fish Skin Mucus Against Pathogenic Microbes

Administrative Experience

- Convener, Botanical Garden Committee
- Former Horticulture Officer
- Focal Person (Female), Protection Against Harassment Committee
- Former Assistant Director Students Affair, CUVAS
- Member, Anti-Drugs and Narcotics Awareness Committee
- Member/Secretary, Maintenance of CUVAS Environment Committee

Achievements

- First Position in Mycorrhizal Project Display
- First Position in University Model Display
- Organized Workshop on Research, Innovation, Commercialization, and Scientific Paper Writing
- Organized Annual Sports Gala
- Participated in International Conference on Climate Smart Agriculture

Languages

- English

- Urdu
- Punjabi

References

1. Dr Yasmin (Lecturer)

Department of Physiology and Biochemistry

CUVAS yasmeen@cuvas.edu.pk

2. Prof. Dr. Abdul Ghaffar

Dean FBS CUVAS

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