

Muhammad Nawaz Shareef



**UNIVERSITY OF AGRICULTURE, MULTAN**  
Department of Soil and Environmental Sciences

**MNS- University of Agriculture, Multan**

**Internship Opportunity**

**Background:**

Pakistan generates 4.36 billion cubic meters of wastewater annually, offering a chance for wastewater treatment to mitigate the nation's water scarcity issue. Use of untreated wastewater poses a threat to both the environment and human health. Constructed wetlands, utilizing indigenous wetland plants provides a cost-effective and environmental friendly technology for treatment of wastewater. The Department of Soil & Environmental Science at Muhammad Nawaz Sharif University of Agriculture, Multan (MNSUAM) is now doing research to enhance the **efficiency of constructed wetlands for wastewater treatment by utilizing indigenous wetland plant species and microbes**. This internship presents an exciting opportunity to make a valuable contribution to the ongoing project.

**Roles and Responsibilities:**

- Execution of field trials and collection of experimental data
- Collection and analysis of water, and plant samples
- Data Analysis and result interpretation
- Writing of research report

**What we offer:**

- Gain valuable experience in the design, operation, and monitoring of large-scale constructed wetlands for wastewater treatment
- Develop professional skills and gain useful experience for future careers in environmental science and engineering
- Opportunity to network with industry professionals

**Requirement:**

- Enrolled as a student in a relevant master's degree program (Soil Science, Environmental Science, and climate change)
- Strong interest in soil science, water quality, and environmental sustainability
- Basic understanding of wastewater treatment processes
- Excellent communication and data analysis skills

**Time frame:**

The internship is for the period of 4-6 months with the expected starting date from 1<sup>st</sup> week of May 2024

**To Apply:**

Please submit your resume and cover letter outlining your interest in the internship by email to Prof. Dr. Tanveer Ul Haq (tanveer.ulhaq@mnsuam.edu.pk). Deadline: 20 April 2024.

**Prof. Dr. Tanveer Ul Haq**  
Chairperson, Department of S&ES  
MNS-University of Agriculture, Old  
Shujabad Road, Multan – Pakistan  
Cell: 0331-7756801

**Address:** Room # 224, Academic Block, MNS University of Agriculture, Old Shujabad Road, Multan. **Cell #** 03317756801; **Email:** tanveer.ulhaq@mnsuam.edu.pk