CURRICULUM VITAE



SYED MUHAMMAD UMAIR

1. SUMMARY

Agronomist with 4+ years of research experience in seed science and climate-smart agriculture, specializing in zinc fortification and sowing strategies in durum wheat. Proven expertise in experimental design, statistical analysis (SPSS, Statistix), and field-based research. Seeking to contribute to sustainable agriculture and food security initiatives at national and international levels.

2. PERSONAL INFORMATION

Name	Syed Muhammad Umair
Nationality	Pakistan
Present Position	Research Associate
Present Address	Peshawar, Pakistan
Mobile No	[redacted]
Email	[redacted]
LinkedIn	https://www.linkedin.com/in/syed-muhammad-umair

3. EDUCATION

PhD in Agronomy **2023-26**
CGPA: 3.7/4.00 (1st Division)
The University of Agriculture, Peshawar
Thesis: Exploring various sowing windows and inter-row spatial dimensions for higher seed yield and quality of zinc fortified durum wheat in the changing climate

M.Sc. (Hons) in Agronomy **2021-23**
CGPA: 3.78/4.00 (1st Division)
The University of Agriculture, Peshawar
Thesis: Impact of Seeding Rates on Yield of Triticale Sown on Different Dates

B.Sc. (Hons) in Agronomy **2017-21**
CGPA: 3.69/4.00 (1st Division)
The University of Agriculture, Peshawar
Thesis: Yield Analysis of Triticale under Various Humic Acid and Compost Levels

4. PROFESSIONAL EXPERIENCE

RESEARCH ASSOCIATE **March 2023 – Present**

- Leading project on climate-smart sowing strategies for zinc-enriched durum wheat.
- Responsible for field trial design, seed and data collection, lab experimentation.
- Increased grain zinc concentration by 15 mg kg^{-1} and improved yield by 10% under optimized sowing strategies.
- Analyzed meteorological and agronomic data, wrote technical reports.

RESEARCH ASSOCIATE **Nov 2021 – Nov 2022**

- Executed field experiments on triticale yield response to sowing date and seed rate.
- Designed layouts, performed ANOVA, collected and interpreted research data.
- Authored and submitted project reports.

INTERNEE **Nov 2019 – Nov 2020**

- Conducted experimental research on organic amendments in triticale.
- Collected and analyzed agronomic data using ANOVA to support yield optimization strategies.
- Prepared technical reports contributing to project decision-making.

5. KEY RESEARCH PROJECTS

- Zinc fortification in durum wheat
- Triticale sowing strategies
- Organic amendments study

6. AREA OF SPECIALIZATION

- Seed Science
- Climate Change

7. PUBLICATION IN IMPACT FACTOR & HEC RECOGNIZED JOURNAL

Umair, S. M., et al. 2025. Efficacy of lemongrass oil on management of root rot of okra… Insights Journal of Life and Social Sciences, 3(4): 179–191.

8. CONFERENCES & TRAININGS ATTENDED

- Bayer Safe Use Ambassador Program.
- Beneficial Microbes & Sustainable Crop Production.
- Strategies for Ensuring Food Security in the Changing Climate.

VOLUNTEERING:

- Mobilized 200 individuals for blood donations campaigns.
- Flood 2022.
- Higher Education Commission (HEC) Sports Gala.

9. ADDITIONAL

Technical Skills***:***

- **Statistical Tools:** SPSS, Statistix
- **Field Skills:** Experimental design, RCBD, ANOVA
- **Data Analysis:** Regression, interpretation
- **Software:** MS Excel (advanced), PowerPoint

Soft Skills:

- Strong written and oral communication
- Critical thinking, problem-solving, and time management

10. REFERENCES: Available upon request