

## 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
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Email	<a href="mailto:syed.umair@aup.edu.pk">syed.umair@aup.edu.pk</a> ; <a href="mailto:umair_sherpao@yahoo.com">umair_sherpao@yahoo.com</a>
LinkedIn	<a href="https://www.linkedin.com/in/syed-muhammad-umair">https://www.linkedin.com/in/syed-muhammad-umair</a>

### 3. EDUCATION

<b>PhD in Agronomy</b>	<b>2023-26</b>
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	
<b>M.Sc. (Hons) in Agronomy</b>	<b>2021-23</b>
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>B.Sc. (Hons) in Agronomy</b>	<b>2017-21</b>
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<sup>-1</sup> 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