

CURRICULUM VITAE

Name : Muhammad Mohsin Alam
Designation : Lecturer BPS-18
Date of birth : 01-05-1990
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ACADEMIC QUALIFICATION

Certificates/ Degrees	Year of Passing	Institution	Department/Board	Subject
Ph.D.	Ongoing	Bahauddin Zakariya University Multan	Department of Plant Pathology	Plant Pathology
M.Sc. (Hons.)	2012	University of Agriculture Faisalabad, Punjab, Pakistan.	Department of Plant Pathology	Plant Pathology
B.Sc. (Hons.)	2010	Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan, Punjab, Pakistan.	Department of Plant Pathology	Plant Pathology
F. Sc.	2006	Government College Bosan Road, Multan, Punjab, Pakistan.	Board of Intermediate and Secondary Education (BISE) Multan, Punjab, Pakistan	Pre-Medical
Matriculation.	2004	Nishat Boys High School, Multan, Pakistan.	Board of Intermediate and Secondary Education (BISE) Multan, Punjab, Pakistan	Science

PROFESSIONAL EXPERIENCE

Organization	Designation	Experience
Department of Plant Pathology, Bahauddin Zakriya University Multan	Lecturer	November-2017 (Current)
Engro Fertilizers Ltd	Ass. Territory Manager	June 2015-March 2017
Jaffer Brothers Ltd	Territory Manager	July 2013-May 2015

RESEARCH INTEREST

My research focuses on enhancing crop productivity by minimizing losses caused by plant diseases, with a specialization in mycology and genetic-level host–pathogen interactions. My PhD involves drone-based multispectral crop monitoring for the detection and management of early blight in potato. My research also includes disease diagnosis and studies on fungicide resistance in early blight pathogens affecting tomato and potato. In addition, I have research experience with major fungal pathogens, including *Macrophomina phaseolina*, *Drechslera oryzae*, *Alternaria solani*, and *Pleurotus ostreatus*, along with practical expertise in mushroom cultivation.

Publications

- Hyder, S., Inam-ul-Haq, M., Fatima, N., Hannan, A., Alam, M. M., & Iqbal, M. (2019). First report of root rot of tomato caused by *Phytophthora syringae* in Pakistan. Plant Disease. DOI: 10.1094/PDIS-06-18-1104-PDN.
- Haider, A., Alam, M., Azhar, & Saleemi, A. (2019). Optimization of Cultural Conditions for the treatment of Pulp and paper industrial effluent by *Pleurotus ostreatus* (L.). Pakistan Journal of Agricultural Research (PJAR), 32(3): 507-513.
- Anwaar, H. A., Mansha, M. Z., Ahmed, M. Z., Abid, M., Sajid, M., Sarwar, Z. M., Umar, U. D., Alam, M. M., Perveen, R., Chohan, S., & Shafique, M. S. (2019). Potential of Fungal Endophytes to Antagonise *Puccinia striiformis* Causing Wheat Yellow Rust. The Journal of Animal and Plant Sciences (JAPS). doi:10.20944/preprints201910.0014.v1.
- Rashid, A., Anwaar, H. A., Perveen, R., Mansha, M. Z., Sajid, M., Sarwar, Z. M., Aatif, H. M., Umar, U. D., Abid, M., Aslam, H. M. U., Alam, M. M., Rizwan, M., Ikram, R. M., Alghanem, S. M. S., & Khan, K. A. (2019). Assessment of grain yield indices in response to

drought stress in wheat (*Triticum aestivum* L.). Saudi Journal of Biological Sciences. DOI: 10.1016/j.sjbs.2019.12.009.

- Hyder, S., Gondal, A. S., Rizvi, Z. F., Ahmad, R., Alam, M. M., Hannan, A., Ahmed, W., Fatima, N., & Inam-ul-Haq, M. (2020). Characterization of native plant growth promoting rhizobacteria and their anti-oomycete potential against *Phytophthora capsici* affecting chilli pepper (*Capsicum annum* L.). Scientific Reports (NATURE), 10(1): 1-15. <https://doi.org/10.1038/s41598-020-69410-3>.
- Ansari, M., Javad, S., Haider, A., Muhammad, & Alam, M. M. (2021). Microwave assisted extraction of l-fenchone from *Foeniculum vulgare* mill. In hexane. Journal of Plant and Environment, 2(1): 05-10. DOI: 10.33687/jpe.002.01.3574.
- Rehman, A.U., Alam, M.M., Umar, U., and Naqvi, S.A.H. (2020). Cotton diseases and disorders under changing climate. In Ahmad, S. and Hasanuzzaman, M. (Eds.), *Cotton Production and Uses* (pp. 271–282). Springer Nature Singapore Pte Ltd.
- Shakeel, M.T., Katis, N.I., Alam, M.M., Atiq, R., and Shakeel, Q. (2020). Fungal diseases of golden palm (*Dypsis lutescens*). In Haq, I.U. and Ijaz, S. (Eds.), *Etiology and Integrated Management of Economically Important Fungal Diseases of Ornamental Palms* (pp. 149–158). Springer Nature Singapore Pte Ltd.

RESEARCH WORK

Research trial focused on the screening of fungicides and plant extracts used against *Alternaria solani*, with particular emphasis on the development of resistance to frequently used fungicides associated with early blight. In parallel, I am involved in a commercialization-oriented project on multispectral crop monitoring using drone technology for disease detection and management in potato. Additionally, I have practical research and production experience in the cultivation of button and oyster mushrooms.

COMPUTER SKILLS AND OTHER SOFTWARES PROGRAMMES

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|---------------------------------------|--------------------|
| • Statistical Software: Statistic 8.1 | • SPSS |
| • EndNote | • Statica |
| • Adobe Photoshop 7.1 | • Microsoft office |
| • Corel Draw/Urdu inpage | |

TRAININGS AND CERTIFICATES

- English Proficiency Certificate.
- Participated in “Basic selling skills” & “Badlain Gey Zindgi” workshops.
- Participated in “Basic Marketing Training Course” (BMTC) at Avari Hotel Karachi in Engro Fertilizers.
- Training on Data analysis tools-Research made easy organized by ORIC BZU Multan.
- Training on Mechanics of scientific writing organized by Department of Plant Pathology Bahauddin Zakriya University Multan.

TECHNICAL CONFERENCES/WORKSHOPS/SEMINARS ATTENDED

- Organized and participated in 6th International conference of Pakistan Phyto pathological society on sustainable agriculture in Bahauddin Zakriya University Multan.

- Oral presenter in 1st International & 2nd national conference “CHALLENGES AND OPPORTUNITIES TO BOOST AGRICULTURE IN CHANGING CLIMATE” organized by Bahadurpur campus Bahauddin Zakriya University Multan.
- Poster presentation in International workshop on Phyto technologies for environmental cleanup organized by IESE, National University of Science and Technology (NUST), Islamabad.

SPECIAL ACHIEVEMENTS/APPRECIATIONS

- Awarded as the Best Territory Manager in Kharif 2013 based on Performance in Jaffer Brothers Pvt Ltd.
- Awarded as the Best Territory Manager in 2014-2015 on Regional level in Jaffer Brothers Pvt Ltd.
- Awarded as the Best Dealer Network Management in 2014-2015 in Jaffer Brothers Pvt Ltd.

MEMBERSHIPS

- Active member of Helping Hand Society BZU Multan.
- Active member of Multan Debating Society Multan.
- Active member of Pakistan Agriculture Consultancy Multan.
- Membership of Pakistan Journal of Phytopathology.
- Membership of American Journal of Phytopathology.

HOBBIES AND INTEREST

Newspapers, books reading and scientific discussion with national and international scientist/experts in the field of agriculture.

LANGUAGES

Languages	Speaking	Reading	Writing	Listening
English	Very Good	Very Good	Excellent	Very Good
Urdu	Very Good	Very Good	Very Good	Excellent
Punjabi (local language)	Excellent	Very Good	Good	Excellent