

CURRICULUM VITAE

MUHAMMAD YOUNAS

OBJECTIVE:

To obtain a challenging position in a reputed organization, an organization that recognizes dedication, devotion and achievements with the ample of opportunities of advancement in my skills and experience

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Additional Information

S/o Bashir Ahmad

DOB: Sep-08-1995

NIC: 32301-6881927-7

Religion: Muslim

Nationality: Pakistani

Domicile: Muzafar Garh

Qualification:

Certificate	Study Period	Board/ University	Marks Obtained/ CGPA	%age	Passing Year
M.sc(Hons) Plant Pathology	2 years	University of Agriculture Faisalabad	3.52/4.00	75 %	2019
B.Sc (Hons) Agri. Sciences.	4 years	The Islamia University, Bhawalpur	3.21/4.00	68%	2017
F.Sc (Pre medical)	2 years	BISE DG khan	729/1100	66%	2013
Matriculation	2 years	BISE DG khan	720/1050	68%	2011

WORK EXPERIENCE:

Currently working as **Scientific Officer (Plant Pathology) BPS-17** under development project “Exchange and Development of Fodder germplasm resistant to biotic and abiotic stresses” at Guar section, Agricultural Research Station Bahawalpur

Worked as “**Research Associate**” in PARB project No.913 “**Enhancement of Mungbean and Gram production in Thal through development of improved Genotypes and Technologies to reduce Pulse Import bill**” at Arid Zone Research Institute, Bhakkar.

Key Responsibilities:

- Screening of Mungbean and chickpea germplasm for biotic and abiotic stresses.
- Development of high yielding climate smart varieties
- Testing newly developed strains under specific agro climatic conditions of Thal zone for their wider adaptability.
- Identify agronomic factors limiting the productivity and profitability of crops.
- To study the insect pest and diseases of crops incidence, damage and their control through Integrated Pest and disease Management strategies.
- Production of Breeder Nucleus Seed (BNS) and pre-basic seed of newly approved varieties.
- Lay out and sowing of experimental trails.
- Data recording, harvesting, threshing, data tabulation and data analysis.
- Report writing, project record maintenance, muster roll of DPLs

Research & Development Activities:

- **Hybridization & Segregating populations:** Crosses of crops are attempted and F0 seed of successful crosses are collected and further evaluated in segregating populations.
- **Replicated Trials:** Advance genotypes are evaluated in replicated yield trials (PYT, AYT, MYT and PUYT).
- **Agronomic Trials:** Field trials of agronomic practices including date of sowing, diseases, weed and insect management, crop nutrition, rhizobium inoculation are conducted
- **Plant Protection Trials:** Field Trials of Entomological and Pathological problems of the crops are carried out

- **NUYT Trials:** Advance lines of the institute were evaluated on National level coordinated by NARC, Islamabad.
- **Variety Approval:** Through Punjab Seed Council.
- **Production of Seed:** BNS and Pre- Basic Seed produced

Experience:

- a. Worked at Ayub Agriculture Research Institute, (AARI) Faisalabad for a period of two years 2017-2019 as student researcher and involved in Crop inspection, Crop planning and crop procurement. Screened 52 onion accessions at Vegetable Research Institute AARI against *Alternaria porri*, *Peronospora destructor* and *Stemphylium vesicarium*
- b. Worked on different varieties of tomato and potato for their survival against *Alternaria solani* and *Phytophthora infestans* at The Islamia University of Bahawalpur for a period of one year 2016-17.
- c. Have assessed host range of *Meloidogyne incognita* in most prevalent flower plants.
- d. Have screened different lines of Mungbean and Citrus against Mungbean Yellow Mosaic Virus (MYMV) and Citrus Tresteza Virus (CTV) respectively at the University of Agriculture, Faisalabad based in Punjab, Pakistan.

PARTICIPATION IN:

- Attended a workshop entitled “Capacity Building Workshop on Brassica Seed Production” on February 28, 2022 jointly organized by Pakistan Agricultural Research Council and Director of Oilseeds, Ayub Agricultural Research Institute Faisalabad.
- Participated and Hosted One Day Training Workshop Under ACIAR Pulses Project-041 on “Low cost Efficient Irrigation System to enhance the Productivity and Profitability of Pulses” at Arid Zone Research Institute Bhakkar, Punjab Pakistan
- Participated and Hosted one day training workshop “Profitable Pulses Cultivation in Thal through New Interventions” on March 6, 2022 at Arid Zone Research Institute Bhakkar.
- Attended an online workshop entitled “Emerging Skills of Researchers” on February 15, 2022 organized by Pakistan Scientific and Technological Information Centre (PASTIC).
- Attended a training session entitled “Using RefWorks Writing Tools” on February 8, 2022 organized by Higher Education Commission.
- Attended an online training session “ProQuest Dissertations and Theses” on March 8, 2022 organized by the Higher Education Commission.

- International Soil Salinity Conference The Islamia University Bahawalpur (IUB)
- Participated in an International seminar on “Host Pathogen Interactions” organized by the Department of Plant Pathology University of California Davis, USA & Department of Plant Pathology University of Agriculture Faisalabad on July 15, 2021.
- Participated in an international webinar on “Mentoring: How does it connect to Research Ethics” by Dr. Mark L. Gleason, Professor Department of Plant Pathology & Microbiology Lawa State University, USA organized by Department of Plant Pathology, University of Agriculture Faisalabad and Pakistan Phytopathological Society (PPS).
- Hosted a session on “Global Health Security” on June 15, 2021 organized by Beacon of Light (BOL) Lahore
- Participated in an international webinar “A way Forward to Food Quality and Safety” on June 23, 2021 organized by Pakistan Agricultural Scientist Forum.
- Participated in 3rd Agriculture exhibition The Islamia University Bahawalpur (IUB)
- Member of Falcon Association Pakistan
- Attended Pakistan Academy of Sciences Agriculture Policy debate on “ Vegetable seed production and Supply Chain”
- Attended training session “Introduction to Publishing in Academic Journals” organized by the Higher Education Commission (HEC)
- Attended training session “Weeds Ecology and Management” organized by the Higher Education Commission (HEC)
- Participated in seminar on “Implementation of Technological Advances in Wheat to Ensure Food Security” organized by Ayub Agriculture Research Institute in collaboration with University of Agriculture, Faisalabad
- Participated in one day training workshop Seminar on “Sunflower Hybrid Seed Production May, 16 2022 organized by the Ayub Agricultural Research Institute, Faisalabad.
- Participated in different tours organized by Citrus phytopathology laboratory, University of Agriculture, Faisalabad

AWARDS

- First position at one day scouting organized by Agrivarsity Scouts Group UAF
- First position at Sports Gala at RMHSS
- Got Higher Education Commission (HEC) Scholarship in B.Sc (Hons.) from The Islamia University of Bahawalpur, Punjab, Pakistan
- Got The Punjab Education Endowment Fund (PEEF) Scholarship in M.Sc (Hons.) from University of Agriculture, Faisalabad, Punjab, Pakistan
- Completed one month “Content writing” course organized by Falcon Association of Pakistan

PUBLICATIONS

Published numerous research articles in different International journals and have an impact factor of up-to 10 IF. Published papers are as follows

- Younas, M., Zou, H., Laraib, T., Abbas, W., Akhtar, M.W., Aslam, M.N., Amrao, L., Hayat, S., Abdul Hamid, T., Hameed, A. and Ayaz Kachelo, G., 2021. The influence of vermicomposting on photosynthetic activity and productivity of maize (*Zea mays* L.) crop under semi-arid climate. *Plos one*, 16(8), p.e0256450.
- Younas, M., Zou, H., Laraib, T., Rajpoot, N.A., Khan, N.A., Zaidi, A.A., Ayaz Kachelo, G., Akhtar, M.W., Hayat, S., Al-Sadi, A.M. and Sayed, S., 2021. The impact of insecticides and plant extracts on the suppression of insect vector (*Bemisia tabaci*) of Mungbean yellow mosaic virus (MYMV). *Plos one*, 16(9), p.e0256449.
- Younas, M., Atiq, M., Rajput, N.A., Abbas, W., Bashir, M.R., Ahmad, S., Ullah, M.S., Bhatti, W.A., Liaqat, N. and Ahmad, I., 2021. Induction of resistance in onion against purple leaf blotch disease through chemicals. *AJAB. Asian J Agric & Biol*, (4).
- Ullah, S., Atiq, M., Younas, M., Rajput, N.A., Sahi, S.T., Sharif, A., Talib, M.Z., Fatima, K., Majeed, M.U., Ashraf, W. and Raza, H. 2020. Monitoring of epidemiological factors promotive for the expansion of downy mildew of onion and its chemotherapeutic management under field conditions. *IJB* p. 173-182
- Shafiq, S., Adeel, M., Iqbal, R., Riaz, R.M.Y., Ahmed, W. and Younas, M. 2018. Resistance appraisal of *Solanum melongena* against *Meloidogyne incognita*. *IJB* 13 (4), p. 343-349

- Hameed A, Atiq M, Ahmed Z, Rajput NA, Younas M, Rehman A, et al. (2022) Predicting the impact of environmental factors on citrus canker through multiple regression. PLoS ONE 17(4): e0260746. <https://doi.org/10.1371/journal.pone.0260746>
- Paper entitled as “Determination of genetic variation and association analysis yield contributing traits for suitable selection criteria in chickpea” with manuscript Id MH20210606070654 has been accepted by Sarhad Journal of Agriculture and will be published in upcoming volume.
- Paper entitled as “Assessment of Genetic Variability in Onion against Purple Leaf Blotch Disease under Field Conditions and its Management” with manuscript id “MH20211230111201” has been accepted in Sarhad Journal of agriculture, The University of Agriculture, Peshawar, Pakistan as principal author,
- Paper entitled as “Genetic variation in chickpea genotypes against Fusarium wilt (*fusarium oxysporum f. sp. ciceris*) and their management” with manuscript id “MH20220128050130” has been accepted in Sarhad Journal of agriculture, The University of Agriculture, Peshawar, Pakistan as co-author which will be published soon.