

MUHAMMAD HAIDER ALI

Father Name: Irshad Ali Shad

Nationality: Pakistani

Date of Birth: July 20, 1997

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Vision

To deliver exceptional horticultural education and research that enhances the productivity and prosperity of farming community

Education

2019-2021 University of Agriculture Faisalabad, Pakistan

M.Sc. (Hons) Horticulture

- Cumulative GPA: 3.98/4.00 (**First Position and Medal**)

2015-2019 University of Agriculture Faisalabad, Pakistan

B. Sc. (Hons) Agri. Sciences (Horticulture)

- Cumulative GPA: 3.91/4.00 (**First Position**)

2013-2015 Divisional Public School and College Faisalabad, Pakistan

F. Sc. (Pre-Medical)

- Marks: 869/1100

2011-2013 Punjab Science School 38 J.B Faisalabad, Pakistan

Matriculation (Science) (**First Position**)

- Marks: 876/1050

Current Appointment

- Working as **Lecturer** in Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Since July 18, 2024 - to date).

Experience

- 1.5 Years experience of working as **Agriculture Officer (Extension)** for advisory services to the farming community (2022-2024).
- 6 Months experience as **Trainee R& D Officer** in TARA Group, where I experienced pesticides and fertilizer trialing, data collection and analysis for comparisons of different products and launching of new products (2021-2022).
- 5 Years **Teaching** experience at school and college level in different schools and academies as part time teaching along with my education (2016-2021).
- 3 Months internship experience at “Izhar Olive Farm, Kallar Kahar” from 29-01-2019 to 26-04-2019, where I have learned complete production technology and propagation techniques of Olive, Grapes and Temperate fruits.
- **Invigilator** at National Testing Service (NTS) from 2017-2019

Research Interests and Expertise

Expert in trials execution in field as well as in lab related fruits and vegetables for improving postharvest life through different techniques. I have an interest in improving quality and storage life of fruits and vegetables through pre-harvest and postharvest applications of different nutrients, chemicals, edible coatings and integrated modern storage techniques like cold storage, controlled atmosphere storage and modified atmosphere packaging. I have worked on both pre-harvest field trials as well as postharvest trials for improving storage life of fruits and vegetables.

Publications

- Noor, A., Khan, A. S., Anwar, R., Ali, S., Rehman, R. N. U., Ayyub, S., & **Ali, M. H.** (2025). Gum Arabic organic coating maintains freshness and modulates oxidative stress by augmenting the antioxidant activities of harvested ber fruit. *Applied Fruit Science*, 67, Article 297. <https://doi.org/10.1007/s10341-025-01523-3>
- Raza, A., Amjad, M. A., Azam, M., Jaskani, M. J., Qadri, R., **Ali, M. H.**, Hasan, W., Javed, M. H., & Raza, M. (2025). Influence of deficit irrigation regimes on the growth dynamics of the indigenous Jamun. *Journal of Horticultural Science & Technology*, 8(2), 57-62. <https://doi.org/10.46653/jhst25082057>
- **Ali, M. H.**, Khan, A. S., Jaskani, M. J., Anwar, R., Ali, S., Malik, A. U., Hasan, M. U., Ur Rehman, R. N., & Ayyub, S. (2022). Pre-storage application of L-arginine mitigates chilling injury and maintains quality of Sandhuri guava fruit. *Journal of Food Processing and Preservation*, 46(3), e16405. <https://doi.org/10.1111/jfpp.16405>
- **Ali, M. H.**, Ahmad, W., & Usman, M. (2019). Rooting ability of different olive cultivars through cuttings in basal heating system. *International Journal of Research Scholars*, 3(2), 1-4.

Abstracts

- Usman, M., Anwar, R., Khan, A. S., Azam, M., **Ali, M. H.**, & Hussain, Z. (2025). *Effect of thiabendazole and imazalil fungicides on storage quality of Kinnow mandarin*. Proceedings of the 9th International Horticulture Conference & Expo-2025, Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan.
- Khan, A. S., Ayyub, S., Anwar, R., Ali, S., & **Ali, M. H.** (2025). *Role of postharvest horticulture in food safety and security*. Proceedings of the 9th International Horticulture Conference & Expo-2025, Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan.
- Khan, M. A., Khan, A. S., **Ali, M. H.**, & Anwar, R. (2025). *Changes in nutritional and phytochemical quality of mango fruit during ripening: An overview*. Proceedings of the 9th International Horticulture Conference & Expo-2025, Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan.
- Ashraf, M., Ateeq, M., Asim, M., Ayyub, S., Mohibullah, S., **Ali, M.H.**, Khalid, U., & Junwei, L. (2024). *Foliar spraying with tryptophan significantly alleviates waterlogging stress in young peach seedlings*. Proceedings of the 4th International Electronic Conference on Agronomy, December 2–5, 2024. MDPI: Basel, Switzerland.
- Ahmad, W., **Ali, M. H.**, Handayani, I. P., & Parr, B. (2020). *Germination and early seedling growth of vegetables under various salinity stresses*. Paper presented at Murray State's Digital Commons (Scholars Week), Huston School of Agriculture, Murray State University, Kentucky, USA.

Achievements

- Received Honorarium from Director General Agriculture (Ext. & A.R) Lahore, Govt. of Punjab, Agriculture Department for extra ordinary work (2024).
- Awarded Silver Medal in M.Sc. (Hons.) as topper from UAF (2021).
- Award of University Merit Based Scholarship, UAF (4 times 2017, 2018, 2019 and 2020).

- Chief Minister e-Youth Initiative Merit Based Laptop Award (2014).

Short Courses and Trainings

- 2 Days international workshop on **Diversification, Value Addition & Supply Chain Management of Floriculture Industry** Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Feb 2025).
- 3 Days online training titled **China-Pakistan Modern Agricultural Technology** by PMAS Arid Agriculture University and National Center of Efficient Irrigation Engineering & Technology Research Xinjiang, China (Jan 2025).
- 2 Days international training workshop on **Prospects of Citrus Production, Challenges and Opportunities** by Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Oct 2024).
- 2 Weeks training related to **Post-Induction Training and Professional Development for Young Faculty** by Directorate of Academic & Teaching Resource Center, University of Agriculture, Faisalabad (Aug 2024).
- 13 Weeks online short course titled **Crop Advisor Trainer (CAT)** by East-West Seed and Wageningen University and Research, Netherlands (Oct 2023).
- 3 Days training on **Pesticides Classification, New Chemistry Pesticides and Resistance** by Regional Agricultural Economic Development Center (RAEDC), Govt. of Punjab (May 2023).
- Online short course titled **Crop Pest Diagnosis** by CABI, UK (May 2020).

Language Proficiency

- English (Working proficiency)
English Proficiency Certificate issued by the University of Agriculture, Faisalabad.