

CURRICULUM VITAE



DR. MEHBOOB ALAM
Assistant professor (TTS)
Department of Horticulture
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C. V. OF DR. MEHBOOB ALAM

PERSONAL INFORMATION

Father's Name	Gulab Shah
Date of Birth	February 02 nd , 1981
Place of Birth	District and Tehsil Peshawar, Pakistan
Sex	Male
Marital Status	Married
N.I.C. No.	173011-426148-1
Correspondence Address	Department of Horticulture Faculty of Crop Production Sciences The University of Agriculture Peshawar Phone: +92-91-9216540
Residential Address	Village Panam dheri, warsak road, Peshawar, KPK, Pakistan Cell #: +92-3479550806

LANGUAGES

English	(Speaking, reading and writing)
Urdu	(Speaking, reading and writing)
Pashto	(Mother tongue) speaking only

EDUCATION

Ph.D. (2009-2014)

**Microbial Horticulture Laboratory, Department of Biosystems and Technology,
Swedish University of Agricultural Sciences.**

Microbial status of irrigation water as affected by cultural practices: Agronomic aspects.
(ISSN 1652-6880), ISBN (print) 978-91-576-7932-1, ISBN (Electronic) 978-91-576-7933-8

Advisor: Prof. Beatrix Alsanius,

M.Sc. (Hons) (2005-2007)

Department of Horticulture, The University of Agriculture, Peshawar, Pakistan.
Influence of budding dates and rootstocks on growth of Almond.

Advisor: Prof. Abdur rab.

B.Sc. (Hons) (2001-2005)

Department of Horticulture, The University of Agriculture, Peshawar, Pakistan.
Response of different Plum Varieties budded on Peach rootstocks.

Advisor: Prof. Faridullah Wazir.

B.Sc. (Hons) Internship project (2004)

**Laboratory of Micropropagation, Nuclear Institute for Food and Agriculture,
Peshawar, Pakistan. Micropropagation of woody plants.**

Advisor: Dr. Roshan Zameer.

H.S.S.C. (1998-2000)

Higher Secondary School Certificate from Board of Intermediate and Secondary Education, Peshawar, Pakistan. (Major as Pre-Medical, 1st division)

S.S.C. (1998)

Secondary School Certificate from Board of Intermediate and Secondary Education, Peshawar, Pakistan. (Major as Science group, 1st division)

PROFESSIONAL EXPERIENCE

- I worked as Business Support Officer in Pakistan Tobacco Company (PTC) from 15th August 2005 to 23rd November 2007.
- I have worked as Drip Agronomist in Royal Abyari from May 2009 to August 2009.
- I worked as Lecturer at the Department of Horticulture, The University of Agriculture, Peshawar, Pakistan from January 2009 to April 2014.
- Presently I am working as Assistant professor at the Department of Horticulture, The University of Agriculture Peshawar since May 2014.

COURSES TAUGHT:

- Introductory Horticulture (**BSc (Hon)**)
- Principles of Fruit Production (**BSc (Hon)**)
- Advance vegetable science (**MSc (Hon)**)
- Environmental Horticulture (**MSc (Hon)**)
- Mineral Nutrition of Horticulture Crops (**MSc (Hon)**)
- Special and Minor Fruits (**PhD**)

COURSES/TRAININGS ATTENDED:

- 4-Days training course on **Integrated Rural Development** at **Pakistan Academy for Rural Development Peshawar.**

STUDENTS SUPERVISED/SUPERVISING:

- **BSc (Hon)**, 03 students supervised
- **MSc (Hon)**, 08 students supervised and 05 under supervision
- **PhD**, 02 students under supervision.

REVIEWER SCIENTIFIC JOURNAL:

- Sarhad Journal of Agriculture
- Pure and Applied Biology
- Regularly reviewing various projects from Pakistan Science Foundation, Higher Education Commission, etc.

ASSOCIATE EDITOR:

- Sarhad Journal of Agriculture

RESEARCH PROJECTS:

- **Principal investigator:**
HEC, startup research grant for Assistant Professors under IPFP/TTS
Project Title: Microbial status of vegetables irrigated from local irrigation water sources

- **Principal investigator:**
HEC, National Research Program for Universities
Project Title: Employing plant growth promoting bacteria in phytoremediation of foodborne pathogens and toxic metals from wastewater
- **Co-Principal investigator:**
HEC, National Research Program for Universities
Project Title: Growing offseason vegetables under salinity stress using chitosan and brasinosteriod
- Actively involved in preparing PC-1 on **Technology Development Centre** at The University of Agriculture Peshawar-Pakistan

MEMBERSHIP:

- Member and head of press and publication at Society for Horticulture Development.
- Member of Academic Council of The University of Agriculture Peshawar-Pakistan.
- Life time Membership of Pakistan Society for Horticultural Science (PSHS)
- Previously member of International Society of Horticultural Sciences (ISHS)
- Manager at university sports committee

EXAMINER:

- Act as external examiner of PhD scholar, Department of Environmental Sciences, University of Peshawar-Pakistan
- Actively involved in carrying out BSc (Hon) semester exam, MSc (Hon) entrance exam, Board of studies exam and other semester and annual exams
- Act as DASAR nominee for students thesis defense and Board of studies in other departments at AUP

AWARDS:

- Overseas PhD scholarship from Higher Education Commission, Pakistan under Strengthening and development of Agriculture University Peshawar, Pakistan.
- Best poster award at 2nd symposium on horticulture in Europe, SHE2012, at Angers (France).
- Postdoc fellowship under PIFI, Chinese Academy of Sciences, December 2017 on “**The endophytic community diversity of wheat in Sichuan-Tibetan-Pakistan plateau and their antagonistic potential against stripe rust**”

CONFERENCE(S) AND WORKSHOP(S) ATTENDED

1. Participated in the **International horticulture congress**, in 2010 at **Lisbon (Portugal)**. Poster, Abstract and Oral Presentation on **Decontamination of irrigation water under field conditions**.
2. Participated in the **Microbial horticulture symposium**, in 2011 at **Alnarp (Sweden)**. Poster and Abstract on **Interception of *E. coli* O157:H7 on spinach (*Spinacia oleracea*) as affected by inoculum density and interval to harvest**.

3. Participated in the **II International Conference on Quality Management of Fresh Cut Produce–Freshcut2011**, in 2011 at **Torino (Italy)**. Poster and Abstract on **Interception of *E. coli* O157:H7 on Rucola (*Eruca sativa*) as affected by inoculum density and interval to harvest.**
4. Participated in the **2nd symposium on horticulture in Europe, SHE2012**, in 2012 at **Angers (France)**. Poster and Abstract on **Decontamination of irrigation water comparison of stationary and mobile photocatalytic water treatment.**
5. Participated in the **16th IUFOST World congress of food science and technology, XVII Latin American seminar of food science and technology-ALACCTA** in 2012 at **Foz do Iguassu (Brazil)**. Poster and Abstract on **Decontamination of irrigation water comparison of stationary and mobile photocatalytic water treatment.**
6. Participated in the **14th International symposium on microbial ecology (ISME)** in 2012 at **Copenhagen (Denmark)**. Poster and Abstract on **Leafy vegetable - human pathogen interactions: a farm-to-fork perspective**
7. Participated in the **International congress of plant pathology (ICPP)** in 2013 at **Beijing (China)**. Poster and Abstract on **Interactions between bioactive compounds and *Escherichia coli* O157:H7 and *Listeria monocytogenes* on leafy vegetables as affected by drought.**
8. Poster has been presented by Dr. Lars Morgen at **6th Congress of European Microbiologists** in 2015 at **Maastricht (The Netherlands)**. Poster on **Reducing the risk of baby leaf surface bacteria with irrigation restrictions.**
9. Participated in **Food safety workshop-WHO** in April-2015 at **Rehman Medical Institute Peshawar (Pakistan)**. Oral presentation on **Food safety - A special case of ready to eat fruits and vegetables.**
10. Participated in the **7th International & 16th National conference** in March-2018 at **Peshawar (Pakistan)**. **04** Abstracts and Oral Presentations.
11. Attended one day workshop on **Developing a Winning Research Proposal** held on 26th December 2018 at **The University of Agriculture Peshawar-Pakistan.**

PUBLICATIONS

1. Muhammad Zakirullah, Sumayya Innayat, Tariq Jan, Muhammad Arif, Muhammad Ali, **Mehboob Alam**. 2018. The effect of different levels of amino acid and zinc on the quality and quantity of berseem (*Trifolium alexandrium*). *Asian Journal of Agriculture and Biology*. 6(3):379-384.
2. **Mehboob Alam**, Maaz Khan, Anwarzeb Khan, Shahzeb, Muhammad Amjad Khan, Abdul Mateen Khattak, Noor ul Amin, Muhammad Sajid. 2018. Concentrations, dietary exposure and human health risk assessment of heavy metals in market vegetables of Peshawar, Pakistan. *Environmental Monitoring and Assessment*. 190(9):505. (IF: 1.804)
3. Muhammad Amjad Khan, Sardar Khan, Xiaodong Ding, Anwarzeb Khan and **Mehboob Alam**. 2018. The effects of biochar and rice husk on adsorption and desorption of cadmium on to soils with different water conditions (upland and saturated). *Chemosphere*. 193.1120-1126. (IF: 4.208)
4. **Alam, M.**, Ahlström, C., Rosberg, A. K., Mogren, L., Ahrné, S., Molin, G., Jensén, P. and Alsanius, B. W. Impact of photocatalysis on microbial decontamination of irrigation water. (Manuscript under review at *Water Research*). (IF: 6.942)

5. Izhar Ullah, Javeed Rahman, Sajid Khan, Imran Ahmad, Noor Ul Amin, Muhammad Sajid, Noor Habib, **Mehboob Alam**, Shah Faisal and Fazal-E-Ahad. **2017**. Influence of organic manure on growth and yield of lettuce cultivars. *International Journal of Agricultural and Environmental Research*. 3(3): 260-267.
6. Nadeem Haider, **Mehboob Alam**, Abid Khan, Waseem Haider, Sadiq Hussain and Shah Zeb. **2017**. Influence of humic acid application on phenology, leaf area and production duration of okra (*Abelmoschus esculentus* L.) cultivars. *Pure and Applied Biology*. 6(3): 1010-1020.
7. Nadeem Haider, **Mehboob Alam**, Haji Muhammad, Islam Gul, Saeed Ul Haq, Sadiq Hussain and Abdul Rab. **2017**. Effect of humic acid on growth and productivity of okra (*Abelmoschus esculentus*) cultivars. *Pure and Applied Biology*. 6(3): 932-941.
8. Muhammad Amjad Khan, Sardar Khan, Anwarzeb Khan and **Mehboob Alam**. **2017**. Soil contamination with cadmium, consequences and remediation using organic amendments. *Science of the total environment*. 601-602:1591-1605. **(IF: 4.900)**
9. **Mehboob Alam**, Fazali Wahid, Imran Ahmad, Ali Raza Gurmani, Muhammad Sajid, Noor ul Amin and Amjad Ali. **2017**. Effect of pre-soaking agents on salinity stressed cucumber seedlings. *Pakistan Journal of Agricultural Sciences*. 54(4):801-810. **(IF: 0.609)**
10. Ibrar Hussain, Imran Ahmad, Noor ul Amin, **Mehboob Alam**, Abdul Mateen Khattak, Muhammd Sajid, Naveed Ahmad, Humaira Wasila, Abdur Rauf, Muhammad Ali, Muhammad Naeem, Rahmatullah Khan, Syed Mubarak shah, Asad ullah, Syed Asim Shah, Maaz ur Rahman, Sohail Ahmad, Imran Habib Khan and Izhar ullah. **2016**. Effect Of Organic Fertilizers On Growth And Yield Of Brassica Rapa Variety Chinensis. *Advances in Environmental Biology*. 10(10): 40-46.
11. Mogren, L., **Alam, M.**, Alsanus, B.W., Boqvist, S. and Vågsholm, I. **2016**. Swiss chard (*Beta vulgaris*) produced under greenhouse conditions - effects of water content in the growing media on the content of bioactive compounds and the microbiology of the leaf surface. *Acta Horticulturae*. (ISHS) 1120:381-384.
12. Muhammad Ali Khan, Noor ul amin, Imran Ahmad, Muhammad Sajid, Ibadullah Jan, Abdul Mateen Khattak, Juniad Khan, **Mehboob Alam**, Humaira Wasila and Sikandar Hayat. **2016**. Therapeutic horticulture: influencing psychological responses of surgical patients and their environmental assessment scale. *Pakistan Journal of Agriculture Sciences* (53(2): 355-363). **(IF: 0.609)**.
13. Anwarzeb khan, Sardar Khan, **Mehboob Alam**, Muhammad Amjad Khan, Muhammad Aamir, Zahir Qamar, Zahir ur Rehman and Sajida Parveen. **2016**. Toxic metal interactions affect the bioaccumulation and dietary intake of macro- and micro-nutrients. *Chemosphere* (146: 121-128). **(IF: 4.208)**

14. Alsanius, B.W., **Alam, M.**, Ahlström, C., Sylla, J., Rosberg, A.K., Olsson, C., Mogren, L., Ahrné, S., Molin, G. and Jensen, P. Microbial community structure of the free water phase in a field irrigation system. (Provisionally accepted for publication in *Science of the Total Environment*). **(IF: 4.900)**
15. **Alam, M.**, Ahlström, C., Burleigh, S., Olsson, C., Ahrné, S., El-Mogy, M., Molin, G., Jensen, P., Hultberg, M., and Alsanius, B. W. **2014**. Prevalence of *E. coli* O157:H7 on spinach and rocket as affected by inoculums density and interval to harvest. *Scientia Horticulturae* (165: 235-241). **(IF: 1.624)**
16. Alsanius, B.W., **Alam, M.**, Larsson, C., Rosberg, A.K., Ahrné, S., Molin, G. and Jensen, P. **2011**. Decontamination of irrigation water under field conditions: preliminary results. *Acta Horticulturae*. (ISHS) 922:61-66.