

DR. MASOOD AHMAD

Assistant Professor, Department of Horticulture



CONTACT

- +92-331-5248933
- masoodhort@aup.edu.pk
- Pakistan
- LinkedIn:
[Masood Ahmad, Ph.D.](#)

SKILLS

- Horticultural expertise
- Research and grant writing
- Teaching and curriculum development
- Student supervision
- Agricultural technology knowledge
- Event and seminar organization
- Data analysis proficiency
- Strong communication skills
- Industry collaboration
- Academic integrity and mentoring
- Landscape gardening
- Leadership
- Time management

LANGUAGES

- English
- Urdu and Pashto



PROFILE

- Dedicated and research-driven Assistant Professor of Horticulture with a strong academic background, extensive teaching and research as well as development sector' experience. Passionate about advancing horticultural science through innovative research, student mentorship, and practical applications. Committed to fostering an engaging learning environment, conducting impactful research, and contributing to the development of sustainable horticultural practices in Academia as well as in development sector. Seeking to enhance academic excellence, collaborate on interdisciplinary projects, and support the advancement of the Department of Horticulture through teaching, research, and institutional development.



EDUCATION

- Ph.D. in Horticulture** 2012-2015
Dissertation: Influence of pre- and post-harvest calcium treatments on morphological, phenological, and biochemical attributes of gladiolus.
- M.Sc(Hons) in Horticulture** 2001-2003
GPA: 3.90/4.00
- B.Sc (Hons) in Agriculture (Specialization in Horticulture)** 1998-2001
GPA: 3.70/4.00



WORK EXPERIENCE

- Assistant Professor– Department of Horticulture** May 2014 - Present
The University of Agriculture, Peshawar, Pakistan
Additional Roles & Responsibilities:
 - Additional Director, Advance Studies & Research – The University of Agriculture, Peshawar.
 - Focal Person – University Mega-Project on Technology Development Center (Horticulture Component).
 - In-Charge, Ornamental Horticulture Nurseries – The University of Agriculture, Peshawar.
 - Deputy Director, Farms – The University of Agriculture, Peshawar.
 - Associate Editor, Sarhad Journal of Agriculture – The University of Agriculture, Peshawar.

Key Responsibilities as Assistant Professor:

- Teaching undergraduate and postgraduate courses in horticulture.
- Conducting research in horticulture and supervising graduate and undergraduate scholars.
- Publishing research in peer-reviewed journals and reviewing scientific publications and theses.
- Managing and executing research projects.

○ **Lecturer – Department of Horticulture** May 2011 - May 2014

The University of Agriculture, Peshawar, Amir Muhammad Khan Campus, Mardan

- Teaching undergraduate and postgraduate courses in horticulture.
- Conducting and supervising research in horticulture.
- Publishing research in peer-reviewed journals and reviewing scientific publications and theses.
- Managing and maintaining the campus grounds and gardens.

PROFESIONAL EXPERIENCE AT OTHER ORGANIZATIONS

○ **Horticulturist (Head of Garden Branch)** Mar 2010 - May 2011

Cantonment Board Lahore

- Planned and developed urban landscapes, ensuring sustainable and aesthetically pleasing green spaces.
- Led roadside and avenue beautification projects to enhance environmental and visual appeal.
- Managed the development and maintenance of parks and green spaces, ensuring high horticultural standards.
- Coordinated flower shows and supervised ornamental plant nursery operations for optimal growth and sales.
- Initiated research and development (R&D) programs to enhance horticultural practices and conducted capacity-building workshops for gardeners and staff.
- Spearheaded large-scale tree plantation campaigns to promote environmental sustainability and climate resilience.
- Provided regular briefings and presentations to senior authorities, ensuring strategic alignment and transparency in horticultural initiatives.
- Supervised and guided gardening teams, ensuring the successful execution of projects and daily operations.

○ **Horticulture officer** Dec 2007 - Mar 2010

Defence Housing Authority (DHA), Islamabad

- Urban Landscape Planning & Development – Designed and implemented sustainable landscaping projects to enhance the aesthetic and environmental quality of residential and commercial areas.
- Parks & Green Spaces Management – Supervised the development, maintenance, and enhancement of parks, gardens, and public green spaces to ensure high horticultural standards.
- Ornamental Plant Nursery Management – Oversaw the production, maintenance, and distribution of ornamental plants, ensuring a steady supply for beautification and plantation projects.
- Environmental Sustainability & Tree Plantation Campaigns – Led large-scale afforestation initiatives to promote ecological balance, climate resilience, and sustainable urban greenery.

○ **Horticulturist** Jan 2005 - Aug 2005

COMSATS Institute of Information Technology, Islamabad

- Supervised grounds and gardens to maintain aesthetic and functional green spaces.
- Managed ornamental horticulture nurseries to ensure high-quality plant production and supply.
- Led and supervised gardening staff, ensuring efficiency and productivity in horticultural operations.

○ **Horticulturist** Jan 2004 - Dec 2004

Bahria Town, Rawalpindi/Islamabad

- Designed, implemented, and maintained landscapes, including parks, gardens, and green belts.
- Established and managed ornamental plant nurseries to support sustainable landscaping initiatives.
- Oversaw horticultural activities and supervised staff to ensure optimal execution of projects and maintenance of green spaces.

RESEARCH GRANTS & PROJECTS

Ongoing Project (Principal Investigator)

- Currently managing a two-year research project on Optimization of Production Technology and Value Addition in Tuberose.
- Awarded by the Higher Education Commission (HEC), Islamabad, Pakistan.
- Total project funding: PKR 5.02 million

Completed Project (Principal Investigator)

- Successfully led a two-year research project (2018-2019) on Developing an Aquaponics System to Produce Safe, Organic Food in a Sustainable and Environment-Friendly Way.
- Funded by USAID through a competitive grant system managed by PARC and CIMMYT (International Maize and Wheat Improvement Center), Islamabad, Pakistan.
- Total project funding: PKR 3.0 million.

TEACHING EXPERIENCE

Serving as a faculty member since 2011, teaching graduate and postgraduate courses in the Department of Horticulture.

Ph.D. Course

- Landscape Design

M.Sc. (Hons) Courses

- Post-Harvest Physiology of Horticultural Crops
- Mineral Nutrition

B.Sc. (Hons) Courses

- Introduction to Horticulture
- Principles of Ornamental Crop Production
- Commercial Flower Production
- Nursery Management & Certification System
- Introductory Landscape Gardening
- Plant Propagation and Nursery Management
- Protected Horticulture

STUDENT SUPERVISION

Ph.D. Students

- Under supervision: 02

M.Sc. (Hons) / M.Phil. Students

- Supervised: 40
- Currently under supervision: 06

B.Sc. (H) students

- Supervised: 60
- Currently under supervision: 05

THESIS & RESEARCH

M.Sc. (Hons) / M.Phil. Thesis & Research Supervised by Dr. Masood Ahmad

1. Performance of gladiolus cultivars in response to Epsom salt under the agro-climatic conditions of Peshawar (Syed Saadullah Shah and Masood Ahmad, April 2025)
2. Response of local zinnia to natural plant extracts under the climatic conditions of Peshawar (Inshal khan and Masood ahmad, February 2025)

3. Effect of willow bark extracts and their time of application on the flower and seed production of larkspur (*delphinium ajacis* L.) (Raja Zohaib Muqarrab and Masood Ahmad, October 2024)
4. Effect of various levels and sources of sulfur on flower production and oil content of tuberose (Sheraz Ahmad & Masood Ahmad, May 2024)
5. Influence of willow bark extracts and application times on the production of roselle (Hamza Ali & Masood Ahmad, April 2024)
6. Influence of zinc nano-particles and bulb size on the growth and flower production of tuberose (Ibadullah Khalil & Masood Ahmad, January 2024)
7. Influence of zinc nano-particles and their time of application on the flower production of narcissus under the agro- climatic conditions of Peshawar (Hassam Bin Mujahid & Masood Ahmad, January 2024)
8. Enhancement of olive (*Olea europaea* L.) micro-propagation through gibberellic acid and employing various cultural vessels (Zia Ur Rahman & Masood Ahmad, January 2024)
9. Response of saffron to growth promoters (Muhammad Junaid Khan & Masood Ahmad, January 2024)
10. Influence of combined application of zinc and iron nano-particles and their time of application on the production of tuberose (Ateeq Ur Rehman & Masood Ahmad, January 2024)
11. Effect of willow bark extracts and their time of application on flower and seed production of local zinnia (Hizqeel Murad & Masood Ahmad, January 2023)
12. Effect of zinc nano-particles on the growth and production of *Ranunculus* cultivars (Tufail Rashid & Masood Ahmad, January 2023)
13. Performance of local zinnia in response to pinching and foliar application of benzyl amino purine (Imaduddin & Masood Ahmad, January 2022)
14. Effect of sowing time and nitrogen application on the growth and production of fennel (*Foeniculum vulgare*) (Junaid Irfan & Masood Ahmad, January 2022)
15. Effect of iron sulfate on flower and corm production of gladiolus cultivars (Kamran Rabi & Masood Ahmad, January 2022)
16. Effect of various concentrations of moringa leaf extracts and application time on the growth and production of tuberose (Noor Ayaz & Masood Ahmad, January 2022)
17. Effect of partial shade and planting time on the flower production of *Calendula officinalis* (Hamza Tanveer & Masood Ahmad, June 2022)
18. Influence of sucrose and silver nitrate to ameliorate post-harvest performance of gladiolus spikes (Achak Khan & Masood Ahmad, June 2022)
19. Effect of gibberellic acid on the flower persistence and quality of disbudded chrysanthemum (Facade Ali & Masood Ahmad, October 2022)
20. The influence of iron and zinc alone and in combination on the production of tuberose (Shehreyar Ahmad & Masood Ahmad, October 2022)
21. Influence of pruning severity and timing on the flower production of rose cv. Whisky Mac (Asif Khan & Masood Ahmad, November 2022)
22. Effect of weeping willow bark extracts and their time of application on the growth and flower production of tuberose (Solevo Martin & Masood Ahmad, November 2022)
23. Influence of growing conditions and salicylic acid levels on the flower and seed production of local dahlia (Talha Ibrahim & Masood Ahmad, December 2022)
24. Influence of foliar applied iron sulfate and at different leaf stages on flowers and corms production of gladiolus (Wiqar Ali Khan and Masood Ahmad, December 2022).
25. Effect of irrigation intervals and plastic mulching on flower production of carnation (Imran Qazi and Masood Ahmad, January 2021).
26. Response of onion cultivars to organic potash levels (Sadeeq Akbar, March 2021).
27. Performance of strawberry in closed looped aquaponics system (Safiullah and Masood Ahmad, February 2020).
28. Influence of Gibberellic acid concentrations and its time of foliar application on flowers and bulbs of Tuberose (Jamal Hussain and Masood Ahmad, November 2020).
29. Influence of various concentrations of boron and their application time on quality flower production of carnation (*Dianthus caryophyllis*) (Shahid Zaman and Masood Ahmad, November 2020).
30. Effect of sowing dates and salicylic acid on growth and production of Roselle (Badshahe Rome and Masood Ahmad, January 2019).
31. Response of gladiolus cultivars to organic potash levels (Muhammad Rizwan and Masood Ahmad, January 2019).
32. Effect of vernalization and corm size on production of corms in saffron (*Crocus sativus*) (Syed Qaiser Ali Shah

- and Masood Ahmad, April 2019).
33. In-vitro propagation of *Stevia rebaudiana* using different types and concentrations of cytokinins (Sehrish and Masood Ahmad, April 2019).
 34. Influence of iron concentration and its time of foliar application on growth and production of Tuberose (Sadumullah and Masood Ahmad, January 2018).
 35. Performance of gladiolus cultivars in different growing conditions (Ashfaq Ahmad and Masood Ahmad, February 2018).
 36. Influence of zinc levels and their time of foliar application on the growth and production of black seed (*Nigella sativa*) (Ishtiaq Ahmad and Masood Ahmad, April 2018).
 37. Performance of squash genotypes under organic and inorganic fertilizer sources (Junaid Ali and Masood Ahmad, October, 2018).
 38. Influence of malic hydrazide and its time of foliar application on growth and production of local dahlia (Sumbel Ayaz and Masood Ahmad, November 2018).
 39. Influence of humic acid and bulb size on growth and production of tuberose (Syed Fakhr-e-Alam Kakakhel and Masood Ahmad, May 2017).
 40. Effect of salicylic acid concentrations and application time on the growth and production of Tuberose (Palwasha Faiz and Masood Ahmad, March 2016).

PROFESSIONAL PARTICIPATION & CONTRIBUTIONS

International Workshops & Conferences:

- Participated and delivered a talk as keynote speaker on "Climate-Smart Floriculture in Khyber Pakhtunkhwa: A Pathway to Sustainable Agriculture, Value Addition, and Livelihood Resilience" in an International Conference held on April 29-30, 2025 at the University of Agriculture Peshawar, Pakistan.
- Participated and delivered oral presentation at the 2nd international conference on "Climate change impacts on Agriculture and Food security" held on April 22-24, 2025 at The University of Swabi, Khyber Pakhtunkhwa Pakistan.
- Participated in 9th International Conference and Expo-2025 Organized by Department of Horticulture PMAS-AAUR and Pakistan Society for Horticulture Sciences on April 15-17, 2025.
- Participated as keynote speaker in the 3rd International Workshop on "Diversification, Value Addition, and Supply Chain Management of the Floriculture Industry" (Feb 24-25, 2025) at The University of Agriculture, Faisalabad, Pakistan.
- Participated as a Speaker & Session Chair at the International Conference on "Sustainable Agriculture and Genetic Resources" (May 9-11, 2024) at Hazara University, Mansehra, Pakistan.
- Participated as a Keynote Speaker & Session Chair at the National Conference on "Olive Production in Pakistan – A Holistic Approach" (June 14-15, 2023) at Hazara University, Pakistan.

Seminars & Workshops Conducted/Organized:

- Organized a one-day seminar on "Promoting Education in the United States for Students of Khyber Pakhtunkhwa" (June 10, 2024) in collaboration with PAIMAN ALUMNI TRUST & ORIC, The University of Agriculture, Peshawar.
- Conducted a one-day seminar on "Optimization of Production Technology and Value Addition in Tuberose" (May 31, 2024) at the Department of Horticulture, The University of Agriculture, Peshawar.
- Conducted a one-day workshop on "Landscaping Skills" (Jan 11, 2024) at the College of Home Economics, University of Peshawar.
- Conducted a two-day training on "Landscape Gardening" (Dec 26-27, 2023) as a Resource Person at Pakistan Forest Institute, Peshawar.
- Conducted a two-day training course on "Training of Technical Staff & Gardeners in Compost Preparation" (Oct 25-26, 2023) at Pakistan Forest Institute, Peshawar.
- Delivered a Keynote Seminar at FATA University on "Future Plan for Plantation and Agriculture in Erstwhile FATA" (May 29, 2023).
- Organized a two-day National Conference on "Sustainable Farming Through Agricultural Mechanization & Renewable Energy Technologies" (June 30 – July 1, 2021) at The University of Agriculture, Peshawar.

Trainings & Webinars Attended:

- Attended the Good Governance Academy's Global Ethics and Technology Summit (June 26, 2024).
- Attended a one-day seminar on "Adaptation of Innovative Techniques for Agro-Food Production and Value Addition" (Dec 28, 2023) at PCSIR Laboratories Complex, Peshawar.

- Participated in a one-day training on "Olive Good Agronomic Practices Focusing on Pruning" (Feb 3, 2023) organized by Olive Culture PSDB Olive Projects at Agricultural Research Institute, Tarnab, Peshawar.
- Attended a training session on "Publishing with IEEE Open Access Journal" (Dec 14, 2022), organized by IEEE, U.S.
- Attended the Good Governance Academy's Event, "The ISO Net Zero Guidelines" (Dec 8, 2022).
- Attended the Good Governance Academy's International Webinar, "Governance in the United Kingdom" (Dec 6, 2022).
- Organized & participated in a special seminar on WORLD SOIL DAY 2022 (Dec 5, 2022), jointly organized by the Directorate General Soil & Water Conservation, Khyber Pakhtunkhwa, and the Department of Soil & Environmental Science, The University of Agriculture, Peshawar.
- Attended IEEE Xplore Digital Library training (Nov 23, 2022), organized by IEEE, U.S.
- Attended ASTM COMPASS Database training (Nov 22, 2022), organized by ASTM International & HEC.
- Attended ASTM COMPASS Database training (Oct 25, 2022), organized by ASTM International & HEC Pakistan.
- Attended IEEE Xplore Digital Library training (Sep 28, 2022), organized by IEEE, U.S.
- Attended online training on "From Research to Publication: IEEE Publication Process" (Sep 14, 2022), organized by IEEE, New York, U.S.

Scientific & Environmental Webinars:

- Attended Bridging Borders Series Webinar for International Wetlands Day (Feb 2, 2022), organized by Conservation Optimism Pakistan.
- Participated in an international webinar on "Conservation through the Lens of Optimism" (Sep 21, 2021), arranged by the Horticulture Society, GCU Lahore.
- Attended International Webinar on Strengthening Potato Industry Through Indigenous Breeding Program (July 29, 2021), organized by Islamia University Bahawalpur.
- Participated in an International Webinar on "Greenhouse Horticulture: Current Status and Future Prospects" (June 29, 2021), organized by MNS University of Agriculture, Multan.
- Attended International Webinar on "Hardscaping Basics" (Sep 15, 2020), arranged by the University of Illinois Extension.

Agriculture & Research Skill Development:

- Attended the 1st training workshop for Departmental Focal Persons on Self-Assessment Report Writing & Evaluation Criteria for Agriculture Degree Programs (Feb 10, 2020), organized by the National Agriculture Education Accreditation Council in collaboration with HEC Islamabad.
- Participated in the Workshop on "Developing Research Skills & Data Management" (April 4-5, 2019) at Abdul Wali Khan University, Mardan.
- Participated in the 3-day International Conference on "Bio-Fortification of Staple Food Crops" (Sep 24-26, 2018), organized by HEC & The University of Agriculture, Peshawar.
- Attended Two-Day Training for Presiding Officers & Senior Assistant Presiding Officers for General Election 2018, organized by the Election Commission of Pakistan.
- Attended a five-day training workshop on "Dry Afforestation Techniques" (Mar 27-31, 2017), organized by Pakistan Forest Institute, Peshawar.
- Participated in the National Conference on "Innovations in Agriculture" (Mar 28-29, 2017) at the Summer Campus, Bara Gali, University of Peshawar, organized by the Agriculture University Teachers Association.
- Participated in the Training Course on "Bio-Engineering / Landslide Stabilization Techniques" (Dec 22-26, 2016) at Pakistan Forest Institute, Peshawar.
- Attended the Project Formulation Workshop (Sep 20-21, 2016) at Abdul Wali Khan University, Mardan.
- Attended a four-day training course on "Natural Resource Management Through Community Participation" (Sep 17-20, 2012), organized by the Pakistan Academy for Rural Development, Peshawar.
- Participated in the Cascading AIT-Based Training Program "Ensuring Training Effectiveness" (July 4-6, 2012) at the University of Agriculture, Peshawar, sponsored by HEC Pakistan.
- Participated in the First National Conference on Greening Road Infrastructure (Dec 22-23, 2009), organized by The Environ Monitor & National Foundation for Environmental Education & Research, Lahore.
- Participated in a two-day workshop on the Implementation of the "Green Man Project" (Nov 18-19, 2009), organized by the National Training Bureau, Ministry of Labour & Manpower, Islamabad.

Practical & Field Experience:

- Attended training on "Cultivation Systems, Techniques & Nursery Management of Olive" (Oct 25-27, 2007) at the Agriculture Research Institute, Tarnab, Peshawar.

- Hands-on experience in Farm Management activities such as budding, pruning, vegetable raising, and pest control at the Horticulture Research Farm, Agricultural University, Peshawar (2003).
- Internship at Agriculture Research Institute, Tarnab, Peshawar (Aug 1 – Dec 31, 2000).

MEMBERSHIP OF PROFESSIONAL BODIES

- Member, Royal Horticultural Society (RHS), UK.
- Member, Record Management Society (RMS), UK.
- Life Member, Pakistan Society of Horticulture Science (PSHS), Pakistan (ID 01034).
- Student Member, American Society for Microbiology (ASM).
- Member, The Asia Society of Researchers (ASR).
- Member, Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES).
- Member, Pakistan Society for Scientific Research (PSSR).
- Life Member, Pakistan National Association of Hearts (PANAHA), Rawalpindi, Pakistan.
- Member, The Mineral, Metals, and Materials Society (TMS), US.
- Member, International Association of Academic Plus Corporate (IAAC).
- Member, International Society of Substance Use Professionals (ISSUP), UK.
- Associate Member, International Society for Development and Sustainability (ISDS).

AWARDS & LETTERS OF APPRECIATION

- Research Award for winning grant/project entitled "Developing Aquaponics System to Safe Organic Food in a Sustainable, Environment-Friendly Way."
- Research Award for winning grant/project entitled "Optimization of Production Technology and Value Addition in Tuberose."
- Appreciation certificate from Director for contribution to University's Agriculture farms (250 acres) as deputy Director Farms
- Appreciation Certificate awarded for serving as Judge in Annual Rose and spring flower shows organized by Cantonment Board Peshawar for consecutive ten years (2016-2025).
- Certificate of Appreciation for the establishment of the Rose Germplasm Unit (GPU) / Rose Garden.
- Appreciation Certificate for outstanding services as a Horticulturist to the Cantonment Board Lahore, Pakistan.
- Appreciation Certificate for successfully organizing the 27th Annual Flower Show Lahore Cantonment 2011.
- Certificate of Merit for serving as Assistant Judge in the 26th Annual Spring Flower Show 2010 in Lahore, Pakistan.
- Merit Scholarship Holder (1998-2023) during B.Sc (Hons) and M.Sc (Hons) at The University of Agriculture, Peshawar.
- Certificate of Appreciation for expert advice on horticultural activities, including landscape maintenance, development, and plantation of ornamental plants and fruit trees.

PUBLICATIONS

Total Publications: 41

Irfan, J., **M.Ahmad.**, S.Ayaz., S.A.Jadoon, K.Junaid, M.R.Khattak, A.U.Rehman, S.Ahmad and H.Ali. Effect of sowing times and nitrogen application on the growth and production of fennel (*Foeniculum vulgare* L.). Sarhad journal of Agriculture, 41(2): 483-488.

Hatam.Z.U., **M.Ahmad.**, H. Hamid., H. Ali., S. A. Jadoon., A. A. Awan., G. Gul., S.Jabin., M. S. Khan and B.Rome. 2025. Optimizing culturing vessels for disease-free shoot proliferation in olive (*Olea europaea* L.) cultivars. Plant Protection, 09 (01):163-171

Jabin.S., **M. Ahmad.**, H.Ali., K. Atta., Imaduddin., L. Naz, B. Rome., A. Masood and A.Ali. 2025. Influence of salicylic acid on the vegetative and reproductive attributes of sweet pea. International Journal of Agriculture and Sustainable Development, 07(01): 93-100.

Ahmad, M., W. Iqbal., U. Ahmed., A. Jamal., M.F. Saeed., M.S. Elshikh, M.F. Elsadek., M. A. Ali., J. Černý and D. Ronga.2025. Enhancing floret persistence and bloom duration in gladiolus through foliar-applied calcium: a sustainable approach to floriculture. The Journal of Horticultural Science and Biotechnology, 1–14.
<https://doi.org/10.1080/14620316.2025.2450697>.

- Nasir, S., **M. Ahmad.**, H. Ali., S. Jabin., A. Khan., M. Ullah., A. Bano., H.A. Khan., A. Khan and A. Ullah.2025. Performance of gladiolus cultivars on morphological traits and corm production under the agro-climatic conditions of Peshawar-Pakistan. Indus Journal of Bioscience Research, 3(1):58-63.
- Shah. S.Q.A., **M. Ahmad.**, H. Ali., A. Naeem., M. Raza., A. Hassan., S. Hussain., S.Jabin., S.Ayaz., M. Ullah., A.Ullah and I. Qazi.2024. Optimizing Saffron Flowering and Yield as Affected by Vernalization and Corm Size of *Crocus Sativus* L. Indus journal of bioscience research. 2(2):431-441.
- Khan.A. , **M. Ahmad.**, M. Arif , H. Ali , S. Jabin., M.T. Awan ., M. R. Khattak ., I. Khalil., S. Razaullah., A. Sufyan., Z. Khan., M. Abbas. 2024. Influence of sucrose and silver nitrate to ameliorate post-harvest performance of gladiolus spikes. 2(2): 1321-1328.
- Ali.H., **M. Ahmad.**, S. Jabin., R. Z. Muqarrab., I. Ahmad., M. A. Khan., M. Khan., I. Khalil., A. Basit, M. kamal and M.Ahmad. 2024. Effect of willow bark extracts and application timing on the production of roselle. Plant Protection. 08(04): 671-677. DOI:10.33804/pp.008.04.5422.
- Qazi.I., **M. Ahmad.**, H Ali., S. Jabin., Q. S. Ali. , A. Masood., A. Basit., S. Zaib and M. Ullah. 2024. Effect of irrigation intervals and plastic mulching on flower production of carnation. Indus Journal of Biosciences Research. 2(2):932-937. DOI: <https://doi.org/10.70749/ijbr.v2i02.30>
- Haq.I.U., D.R. Maslennikova., M.K.Khattak., M. Hanif and **M.Ahmad.**2024. Nutrients Management and Till with Assorted Raised Seedbeds Affecting Pedocals Soil Traits. Momona Ethiopian Journal of Science (MEJS), 16(1):127-143. <http://dx.doi.org/10.4314/mejs.v16i1.7>
- Khan.R., M. Arif., T. Masood., **M. Ahmad.**, Z.A. Shah., M. Ilyas and M. Javed.2023. The effect of selenium bio-fortification on the nutritive value of kitchen mint. Pure and Applied Biology. 12 (2): 1378-1386.
- Pervaiz.S., H. Gul., M. Rauf., H.I.Mohamed., K.U.Rehman., H. Wasila., I. Ahmad., S.T. Shah., A. Basit., **M. Ahmad.**, S. Akbar and S. Fahad. 2023. Screening of linum usitatissimum lines using growth attributes, biochemical parameters and ionomics under salinity stress. Gesunde Pflanzen, pp.1-19. <https://doi.org/10.1007/s10343-023-00880-x>.
- Alam, M., S. Ali., S.T. Shah., Z. Hussain., L. Ali., A. Rab., M. Asim., S.A. Jadoon, **M. Ahmad** and I. Ahmad. ,2023. Effect of chitosan on post-harvest shelf life of persimmon (*Diospyros kaki* L.). Acta Scientiarum Polonorum Hortorum Cultus, 22(2): 27-43.
- Ahmad, W., Z. Zou, M. Awais, F. Munsif, A. Khan, J. Nepal, **M. Ahmad**, S.Akbar, I. Ahmad and M.S. Khan.2023. Seed-Primed and Foliar Oxozinc Nanofiber Application Increased Wheat Production and Zn Biofortification in Calcareous-Alkaline Soil. Agronomy.13 (2): 400. <https://doi.org/10.3390/agronomy13020400>.
- Rubian.G., M.Fahim., S.A.Jadoon., I. Ahmad and **M. Ahmad.** 2022. Assessment of elite wheat germplasm for resistance to Fusarium head blight -a threat to wheat production in north-west Pakistan. Genetika, 54(3): 1217-1233. <https://doi.org/10.2298/GENSR2203217G>.
- Safi. U., **M. Ahmad.**, A. M. Khattak, M. Ilyas, Asif K., N. Islam and K. Zaman. 2022. Performance of strawberry in a closed loop aquaponics system. Pak. J. Weed Sci. Res., 28(3): 333-343.
- Ullah.I., D. Muhammad., M. Mussarat., S. Khan., M. Adnan.,S. Fahad., M. Ismail., I. A. Mian. A. Ali 4 , M. Hamzah., Saleem., M. Saeed., F. Gul., M. Ibrahim., M.Aown., S. Raza., H.M. Hammad., W. Nasim., S. Saud., J.Z. K. Khattak., **M. Ahmad.**, N. Ali., Rasheed Akbar., S.M. Khan and J. Banout. 2022. Comparative effect of biochar and NPK on wheat crop under different management. Crop & Pasture Science <https://doi.org/10.1071/CP21146>.
- Zeb.I, **M. Ahmad** , F. Aman , A. Muhammad , F. Fatima , H. Khan , M. Younisand and M. Alam.2022. Heavy metal analyses of ready to eat leafy vegetables collected from different areas of district Swat. Bioscience research, 19(1): 322-328.
- Zaman.S., **M. Ahmad**, S.Ayaz, S. Zaib, Imaduddin , J. Irfan , N. Ayaz and F. Ali. 2022. Foliar application of boron controls calyx split and improves flower production in carnation (*Dianthus Caryophyllus*). Bioscience research, 19(1):567-574.

- Rizwan .M., **M. Ahmad**, A. M. Khattak , A. Mohammad., F. Ali , G.Nabi , S. Ayaz and N.Ayaz.2021. Influence of organic potash on the vegetative attributes and corm production of gladiolus cultivars. Bioscience research, 18(4):3326-3333.
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REFERENCES

Prof. Dr. Gohar Ayub

Chairman, Department of Horticulture
The University of Agriculture, Peshawar, Pakistan.
Email address: gohar.ayub@aup.edu.pk
Cell No. 0092-3335719844

Prof. Dr. Abdul Mateen Khattack

Ex-Chairman, Department of Horticulture
The University of Agriculture, Peshawar..
Email: mateen@aup.edu.pk
Cell No. 0015876912152
