



# 9<sup>th</sup> International Horticulture Conference & Expo-2025

Horticultural Transformation: Sustainable Food Safety & Security

## WELCOME to the Conference

The venue is located at the junction of Rawalpindi & Islamabad, nestled in the beautiful picturesque of Margalla Hills National Park, Rawal Lake Park, Lok Virsa Museum, Shakarparian National Park and Daman-e-Koh look out are notable excursions for the conference participants.

April 15-17, 2025



PMAS-Arid Agriculture University Rawalpindi (46300), Pakistan

## Registration

Professional / Faculty	Rs. 3000
PSHS Members	Rs. 2500
Students	Rs. 2000

## For Info

E-mail: [ihc2025@uaar.edu.pk](mailto:ihc2025@uaar.edu.pk)

Website: [www.uaar.edu.pk](http://www.uaar.edu.pk)

## Conference Themes

- Breeding, Genetics & Genomics: Climate Resilient Horticulture
- Precision Tech & Climate Smart Innovations in Horticulture
- Biodiversity in Horticulture: Conservation & Utilization
- Protected Cultivation of Horticultural Crops
- Vertical Farming & Urban Horticulture
- Innovative Strategies for Plant Propagation
- Nutrient & Water Management
- Integrated Disease & Pest Management
- Landscape Design & Amenity Horticulture
- Regenerative Horticulture
- Postharvest Technology & Supply Chain Management
- Horticulture Business & Entrepreneurship



Jointly Organized By  
Department of Horticulture, PMAS-AAUR  
Pakistan Society for Horticultural Science





# 9<sup>th</sup> International Horticulture Conference & Expo-2025

Horticultural Transformation: Sustainable Food Safety & Security

Horticulture holds a significant place in Pakistan's agricultural landscape, contributing to both the economy and food security. The country is endowed with diverse climatic conditions and soils, allowing for the cultivation of a wide variety of fruits, vegetables, and ornamental plants. Some of the key fruits produced include citrus, mangoes, apples, and grapes, while the vegetable sector includes potatoes, tomatoes, and onions, among others. Horticulture contributes significantly to the national economy by providing employment opportunities for millions and generating substantial export revenue. Fruits and vegetables are key export items, particularly to the Middle East and Europe. Additionally, horticultural products play an essential role in diversifying diets, improving nutrition, and ensuring food security for the population. The horticulture sector supports rural livelihoods and encourages sustainable practices. Many smallholder farmers engage in horticultural activities, enhancing their income and improving their quality of life.

Horticulture practices significantly contribute to environmental conservation by promoting biodiversity and reducing habitat losses. Keeping the importance of matter in consideration, proposed conference has been initiated to brainstorm with broader audience. Relevant experts on horticulture, food security and climate change will participate to assess the sensitivity of matter and to develop a comprehensive road map for considerable policy guidelines in key identified spheres. We will wholeheartedly welcome contributions that showcase innovative research, emerging trends and solutions to current challenges in the field.

## Objectives of Conference

1. **Knowledge Sharing:** Facilitate the exchange of the latest research, technological innovations, and best practices in horticulture across diverse disciplines.
2. **Networking and Collaboration:** Create a platform for horticulture experts, practitioners, researchers, and policymakers to forge meaningful collaborations.
3. **Promote Sustainability:** Highlight the importance of sustainable horticulture practices, focusing on reducing the carbon footprint, water usage, and other environmental impacts.
4. **Policy Advocacy:** Discuss and develop policies that can support the growth of horticulture in various regions, ensuring economic sustainability, climate resilience, and food security.
5. **Youth and Future Leaders:** Engage young professionals and students in horticulture, providing them with insights and opportunities to become future leaders in the field.

## Target Audience

- **Researchers and academics** in plant science, agriculture, and environment.
- **Horticulturalists, farmers, and industry practitioners**
- **Agricultural policymakers and government representatives**
- **NGOs** working in agriculture, sustainability, and community development.
- **Technology developers and entrepreneurs** in the agri-tech sector.
- **Students and young professionals** pursuing careers in agricultural domains.

The outcomes may help to tackle the multi faced environmental and industrial challenges to achieve the target of sustainable horticultural transformation in the country



## Organizing Committees

**Patron-in-Chief:** Prof. Dr. Qamar Uz Zaman, Vice Chancellor, PMAS-AAUR

**Patron:** Prof. Dr. Tariq Mukhtar, Dean, Faculty of Agriculture, PMAS-AAUR

**Chief Organizer:** Prof. Dr. Muhammad Azam Khan, President PSHS

**Organizer:** Dr. Imran Hassan, Chairman, Department of Horticulture, PMAS-AAUR

**Secretary:** Dr. Umer Habib, General Secretary, PSHS

### Patronage Committee

Prof. (Retd.) Dr. Rana Aslam Khan (UAF)

Prof. (Retd.) Dr. Akbar Anjum (BZU)

Prof. (Retd.) Dr. Amjad Aulakh (UAF)

Prof. (Retd.) Dr. Abdur Rab (UAP)

Prof. (Retd.) Dr. Muhammad Jafar Jaskani (UAF)

Prof. Dr. Jameel Ahmad (UP-AJK)

Prof. Dr. Ishtiaq A. Rajwana (MNSUAM)

Dr. Pervez Ahsan Khan (IC-ISB)

Dr. M. Javed Khan Tareen (BARI-Quetta)

Prof. (Retd.) Dr. Iqrar Ahmad Khan (UAF)

Prof. (Retd.) Dr. Aman Ullah Malik (TUF)

Prof. (Retd.) Dr. Abdul Hameed (WUG AJ&K)

Prof. (Retd.) Dr. Noor Ul Amin (UAP)

Prof. (Retd.) Dr. Ishfaq A. Hafiz (PMAS-AAUR)

Prof. Dr. Ghulam S. Markhand (SALU-Khairpur)

Dr. Waqar Ahmed (USAID)

Dr. Fazal-ur Rehman (Dir. Res. Gilgit)

### Organizing Committee

Prof. Dr. Ahmad Sattar Khan, Director, Institute of Horticultural Sciences, UAF

Prof. Dr. M. Saleem Jilani, Chairman, Horticulture, GU-DIK

Prof. Dr. Saba Ambreen Memon, Chairperson, Horticulture, SAU, Tandojam

Prof. Dr. Safina Naz, Chairperson, Horticulture, BZU, Multan

Prof. Dr. Gohar Ayub, Chairman, Horticulture, UAP, Peshawar

Prof. Dr. Nafees Ahmad, Chairman, Horticulture, IUB, Bahawalpur

Prof. Dr. Rashid Mukhtar, Chairman, Horticulture, University of Sargodha, Sargodha

Dr. Zahoor Hussain, Chairman, Horticulture, Ghazi University, DG Khan

Dr. Kashif Razzaq, Chairman, Horticulture, MNSUAM, Multan

Dr. Ijaz Hussain, Chairman, Horticulture, University of Haripur, Haripur

Dr. Muhammad Shafique, Associate Professor, Horticulture, PU, Lahore

Dr. Ghulam Khaliq, Chairman, Horticulture, LUAWMS, Uthal, Baluchistan

Mr. Muhammad Hanif Ujjan, Executive Director/CS, HRC, Mirpurkhas Sindh

Dr. Waseem Baran, Principal, BAC, Quetta

Dr. Syed Ijaz-Ul-Hassan, Director, Potato Research Institute, Sahiwal

Mr. Mohsin Malik, Chief Scientist, HRI, AARI, Faisalabad

Dr. Hedayat Ullah, Director, HRI, NARC

Dr. Ibrar Hussain, Senior Research Officer, Agriculture Research Institute, Tarnab KPK

### Management Committee

Dr. Iftikhar Ahmad (UAF)

Mr. Ghulamullah Saqib (GB)

Dr. Tanveer Ahmad (MNSUA Multan)

Dr. Irfan Ali (PMAS-AAUR)

Dr. Mehwish Liaqat (PMAS-AAUR)

Dr. Usman Ali Abbasi (PMAS-AAUR)

Dr. Usman Shoukat (PMAS-AAUR)

Dr. Raheel Anwar (UAF)

Dr. Touqeer Ahmad (PMAS-AAUR)

Dr. Abdul Ahad Qureshi (PMAS-AAUR)

Dr. M. Tahir Akram (PMAS-AAUR)

Dr. Tanveer Hussain (PMAS-AAUR)

Dr. Ismara Naseem (PMAS-AAUR)

Mr. Muhammad Ishaq (ORIC, PMAS-AAUR)

### Scientific & Publishing Committee

Dr. Mehdi Maqbool (UP-AJK)

Dr. Iftikhar Hussain (UAF)

Dr. Shoaib Bajwa (HAU-China)

Dr. Shahid Mahmood (PMAS-AAUR)

Dr. Rashid Mahmood (PMAS-AAUR)

Mr. Saddam Hussain (UFL-USA)

Prof. Dr. Shah Jahan (BUTEM-Baluchistan)

Dr. Adnan Shahid (UFL-USA)

Dr. Noshin Ilyas (PMAS-AAUR)

Dr. Naveed Ur Rehman (PMAS-AAUR)

Dr. Muhammad Naveed Anjum (PMAS-AAUR)

# Conference Organizers

## Chief Organizer

**Prof. Dr. Muhammad Azam Khan**

President, Pak. Society for Hort. Sci. (PSHS)  
Department of Horticulture,  
PMAS-Arid Agriculture University, Rawalpindi Pakistan

**Email:** drizam1980@uaar.edu.pk

**Whatsapp:** +92 300 688 4470

## Conference Secretary

**Dr. Umer Habib**

General Secretary, Pak. Society for Hort. Sci. (PSHS)  
Department of Horticulture,  
PMAS-Arid Agriculture University, Rawalpindi Pakistan

**Email:** umer@uaar.edu.pk

**Whatsapp:** +92 317 469 3269

# Conference Program

## Day-1 (April 15, 2025)

### Inaugural Session

#### University Auditorium

09:00 am	Registration and Seating of the Participants
10:00 am	Recitation
10:05 am	Naat-e-Rasool
10:10 am	National Anthem
10:15 am	PSHS Recap
10:20 am	Welcome Address by Prof. Dr. Muhammad Azam Khan (President PSHS)
10:25 am	Keynote Talk by Dr. Waqar Ahmad
10:40 am	Technical Talk by Dr. Adnan Shahid, Associate Professor, UFL,USA
10:55 am	Address by the Guest of Honour Ms. Florence Rolle, FAO
11:05 am	Address by the Guest of Honour Prof. Dr. Mukhtar Ahmad, Chairman HEC
11:15 am	Address by the Chief Guest Honorable Rana Tanveer Hussain, Federal Minister NFS&R
11:30 am	Souvenir exchange
11:45 am	Vote of Thanks by The Vice Chancellor, PMAS-AAUR
11:50 am	Group Photo
11:55 am	Inauguration of Flower Show and Expo
12:00 pm	Lunch & Prayer Break

### Technical Sessions

02:00 pm	<b>Technical Session-I: Agriculture Seminar Room</b> Theme: Breeding Genetics Genomics: Climate Resilient Horticulture
02:00 pm	<b>Technical Session-II: PKCBC Seminar Room</b> Theme: Precision Tech. & Climate Smart Innovations in Horticulture / Protected Cultivation of Horticultural Crops
04:00 pm	Tea Break
05:00 pm	PSHS General Body Annual Meeting
07:00 pm	Cultural Night & Dinner

## Day-2 (April 16, 2025)

### Technical Sessions

09:00 am	<b>Technical Session-III: Agriculture Seminar room</b> Theme: Postharvest Technology & Supply Chain Management
09:00 am	<b>Technical Session-IV: PKCBC Seminar Room</b> Theme: Horticulture Business and Entrepreneurship
10:30 am	Tea Break
11:00 am	<b>Technical Session-V: Agriculture Seminar room</b> Theme: Nutrient & Water Management / Integrated Pest Management
11:00 am	<b>Technical Session-VI: PKCBC Seminar room</b> Theme: Landscape Design and Amenity Horticulture/Regenerative Horticulture

12:30 pm Lunch & Prayer Break

02:00 pm	<b>University Auditorium</b> <b>Technical Session-VII</b> Theme: Biodiversity in Horticulture Conservation and Utilization/Innovative Strategies for Plant Propagation
03:00 pm	<b>Panel Discussion</b> High Value Horticultural Crops: Future for Farmer Prosperity

### Concluding Ceremony

04:00 pm	Qirat with Translations
04:05 pm	Conference Recommendations by Prof. Dr. Amman Ullah Malik
04:15 pm	Horticulture Policy Talk by Dr. Iqrar A. Khan, Professor Emeritus
04:25 pm	Address by the Chief Guest
04:35 pm	Shields Distributions
04:50 pm	Concluding Remarks
05:00 pm	Refreshment

## Day-3 (April 17, 2025)

10:00 am Technical and Excursion tour for foreign delegates