



**IHC**  
2021

International  
**HORTICULTURE**  
**e-CONFERENCE**

FEBRUARY 22-23, 2021

**CONFERENCE**  
**PROGRAM**

**Organized by**

Pakistan Society for Horticultural Science

*In collaboration with*

Institute of Horticultural Sciences,  
University of Agriculture, Faisalabad

# International Horticulture e-Conference 2021

February 22-23, 2021

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Date	Events	Time
22-02-2021	<b>DAY-1</b>	
	<b>INAUGURAL SESSION</b>	
	<b>Moderator:</b> Dr. Raheel Anwar, Assistant Professor, IHS, UAF	
	Recitation of Holy Quran	09:30 am
	Naat Sharif	09:35 am
	Welcome Address Prof. Dr. A.U. Malik, Director, IHS, UAF	09:40 am
	Inaugural Address by Chief Guest Prof. Dr. Asif Tanveer, Pro Vice Chancellor, UAF	09:50 am
	Vote of Thanks Prof. Dr. C.M. Ayyub, President, PSHS	10:00 am
	<b>BREAK</b>	10:20 am
	<b>TECHNICAL SESSION-I (Key Speakers)</b>	
	<b>Session Chair:</b> Prof. Dr. A.U. Malik, Director, IHS, UAF	
	<b>Session Co-Chair:</b> Prof. Dr. Ishtiaq Ahmad Rajwana Chairman, National Agriculture Education Accreditation Council, HEC, Islamabad	
	<b>Moderator:</b> Dr. Adnan Younis, Associate Professor, IHS, UAF	
	Ethylene Management Interventions to Mitigate Postharvest Losses in Fresh Horticultural Produce by <b>Prof. Dr. Zora Singh</b> , Australia	10:30 am
	Current Status, Challenges and Way Forward to Improve Export of Fruits and Vegetables by <b>Mr. Waheed Ahmad</b> , Patron-in-Chief, All PFVA, Pakistan	11:00 am
	Use of E-learning Technologies for Advancing Horticultural Postharvest Education: Recent Experience, Challenges, and the Way Forward by <b>Dr. V.Y. Tokala, Dr. L. Kitinoja and Dr. S. Khalid</b> , USA	11:30 am
	Healthy Food for Healthy Cities by <b>Dr. Charles L. Wilson</b> , USA	12:00 pm
	Innovative Soilless Substrate for the Future of Container Plant Production by <b>Dr. Brian E. Jackson</b> , USA	12:20 pm
	New Zealand Kiwifruit Industry; Status, Technology, Role of Zespri – Learnings for Pakistan, by <b>Dr. Abdul Jabbar</b> , New Zealand	12:40 pm
	Remarks by the Session Chair/Co-Chair	12:55 pm
	<b>PRAYER &amp; LUNCH BREAK</b>	01:00-02:00 pm
	<b>TECHNICAL SESSION-II</b>	
	<b>Session Chair:</b> Prof. Dr. Muhammad Akbar Anjum Chairman, Department of Horticulture, BZU, Multan	
	<b>Session Co-Chair:</b> Dr. M. Javed Tareen, D.G., Agri. Res. Inst., Sariab, Quetta	
	<b>Moderator:</b> Dr. Adnan Younis, Associate Professor, IHS, UAF	
	Landscape Horticulture Work on Sukkar-Multan Motorway (M-5) by <b>Dr. Muhammad Aslam Khan</b> , Pakistan. (Key Speaker)	02:00 pm
	Worldwide Occurrence and Phylogeography of Watermelon Chlorotic Stunt Virus Infecting Cucurbits by <b>Dr. Muhammad Naeem Sattar</b> , KSA (Key Speaker)	02:30 pm

	Display Characteristics of Different Varieties of Gladiolus ( <i>Gladiolus grandiflorus</i> L.) In Landscape by <b>Dr. Adnan Younis</b>	02:50 pm
	Impact of Foliar Chitosan Application on Morphological and Physiological Processes of Calendula under Drought Stress by <b>Dr. Gulzar Akhtar</b>	03:00 pm
	Genetic Diversity and Population Structure of Date Palm Male Accessions by Using SSR Markers by <b>Mr. Muhammad Kashif Raza</b>	03:10 pm
	Mitigating Citrus Huanglongbing Pathogen Through Core Functional Endophytes: Focused on Model Citrus Pathosystem and Inhibition of Quorum Sensing Signals by <b>Mr. Shahzad Munir</b> , China	03:20 pm
	Morphological and Stomatal Diversity in Colchiploid Germplasm of 'Foster Pink' Grapefruit ( <i>Citrus paradisi</i> Macf.) by <b>Mr. Muhammad Awais Rana</b>	03:30 pm
	Impact of Runners Harvest Date and Delayed Transplanting on Growth and Productivity of Strawberry cv. "Chandler" by <b>Dr. Kashif Razzaq</b>	03:40 pm
	Bio-diversity of Medicinal and Aromatic Plants of Juniper Tract Biosphere Reserve in Ziarat Balochistan, Pakistan by <b>Miss Alia Ahmed</b>	03:50 pm
	Genome-Wide Association Studies Revealed Genetic Basis for Unique floral Traits in A Diversified Potato Panel by <b>Dr. M.A.B. Zia</b> , Turkey	04:00 pm
	Phenotypic Characterization of Colchiploid Germplasm of Eustis Limequat by <b>Dr. Bilquees Fatima</b>	04:10 pm
	Association Mapping Reveals Novel Genomic Regions Controlling Some Root and Stolon Traits in Tetraploid Potato ( <i>Solanum tuberosum</i> L.) by <b>Mr. M.F. Yousaf</b> , China	04:20 pm
	Physicochemical Diversity in White Flesh Guava Germplasm of Punjab and KPK Regions by <b>Miss Syeda Anum Masood Bokhari</b>	04:30 pm
	In Vitro Regeneration Responses in Acid Limes by <b>Miss Arooge Fatima</b>	04:40 pm
	Evaluation of Rootstocks for Better Growth and Productivity of Kinnow Mandarin by <b>Mr. Muhammad Ahsan Qureshi</b>	04:50 pm
	Role of PGRs in Preharvest Fruit Drop Reduction and Enhancement of Fruit Quality Attributes in Date Palm by <b>Mr. Hammad Hussain</b>	05:00 pm
	Effect of Different Nitrogen Levels Spray on Growth Attributes and Oil Contents of Tulsi Plant by <b>Miss Sidra Mahmood</b>	05:10 pm
	Remarks by the Session Chair/Co-Chair	05:25 pm
	<b>POSTER SESSION</b>	05:30-06:30 pm
	<b>Annual General Meeting of PSHS</b>	06:30-07:30 pm
	<b>END OF DAY-1</b>	
<b>23-02-2021</b>	<b>DAY-2</b>	
	<b>TECHNICAL SESSION-III</b>	
	<b>Session Chair:</b> Prof. Dr. Saleem Jilani Dean, Faculty of Agriculture, Gomal University, D.I. Khan, KP	
	<b>Session Co-Chair:</b> Prof. Dr. Saba Ambreen Memon Chairperson, Department of Horticulture, Sindh Agriculture University, Tandojam, Sindh	
	<b>Moderator:</b> Dr. Adnan Younis, Associate Professor, IHS, UAF	
	Horticulture in the Northern Territory of Australia - Opportunities for R&D Collaboration with Pakistan by <b>Dr. Muhammad Sohail Mazhar</b> , Australia (Key Speaker)	09:00 am
	Improving Market Opportunities for Small Land Holding Tomato Growers by Addressing Postharvest Value Chain Issues: A Case Study of Punjab-Pakistan by <b>Dr. Raheel Anwar</b>	09:20 am
	Rise and Fall of Pomegranate Industry in South Punjab, Pakistan by <b>Prof. Dr. I.A. Rajwana</b>	09:40 am
	Folk Floral Recipes for Extending Postharvest Longevity of Cut Flowers by <b>Dr. Iftikhar Ahmad</b>	09:50 am
	Postharvest Quality Dynamics of Wild Black Raspberry ( <i>Rubus occidentalis</i> L.) Fruits Stored at Different Temperatures by <b>Dr. M. Maqbool</b>	10:00 am

Post Storage Temperature Conditioning Delays Enzymatic Browning and Maintains Quality of Litchi Fruits during Ambient Storage by <b>Dr. Sajid Ali</b>	10:10 am
Pre-harvest Application of Nitric Oxide Inducing Antioxidant Activities and Delaying Biochemical Changes in Banana Fruit during Storage by <b>Dr. Ghulam Khaliq</b>	10:20 am
Response of 1-MCP Smart Card Technology in Delaying Postharvest Senescence and Maintaining Overall Quality of Green Chilies by <b>Mr. Mahmood Ul Hassan</b>	10:30 am
Postharvest Hot Water Treatment (HWT) Suppressed the Fruit Rot and Enhanced the Quality of Papaya Fruit Cultivar "Red lady" during Cold Storage by <b>Prof. Dr. Saeed Ahmad</b>	10:40 am
Exposure to Aqueous Ozone Retained Nutritional Quality of Strawberries during Cold Storage by <b>Miss Ayesha Maryam</b>	10:50 am
Efficacy of Various Planting Times on Yield and Quality of Cut Sunflower ( <i>Helianthus annuus</i> L.) by <b>Mr. Hafiz Kashif Ali</b>	11:00 am
Pre-Storage <i>Aloe vera</i> Gel dipping Maintained Physico-Chemical Fruit Quality Attributes of Guava ( <i>Psidium guajava</i> L.) cv. Gola during Storage Under Ambient Conditions by <b>Dr. Muhammad Azam</b>	11:10 pm
Agriculture 5.0: Future of Farming through Machine Learning Technologies by <b>Mr. Abhishek Pandey</b> , India	11:20 am
Metals Toxicity in Wastewater Irrigated Vegetables: A Case Study of Underdeveloped Region by <b>Dr. Ana Aslam</b>	11:35 am
Sustaining Water Balance and Various Physiological Traits in <i>Cucumis sativus</i> L. by Foliar Application of Chitosan in Three Sowing Dates Grown Under Hot Environment by <b>Dr. Mujahid Ali</b>	11:45 am
Mitigation of Tomato Water Stress via Seed Priming and Foliar Application of Osmoprotectants by <b>Dr. Osama Bin Abdul Hafeez</b>	11:55 am
Remarks by the Session Chair/Co-Chair	12:15 pm
<b>POSTER SESSION</b>	12:20-01:00 pm
<b>PRAYER &amp; LUNCH BREAK</b>	01:00-02:00 pm
<b>INDUSTRY SESSION</b>	
<b>Moderator:</b> Dr. Raheel Anwar, Assistant Professor, IHS, UAF	
<b>Researchable Key Issues Related to Horticulture Industry</b>	02:00-02:30 pm
<b>CONCLUDING SESSION</b>	
<b>Moderator:</b> Dr. Raheel Anwar, Assistant Professor, IHS, UAF	
Overview of the Conference & Recommendations Dr. Muhammad Usman, Associate Professor, IHS, UAF	02:30 pm
Address by Chief Guest Prof. Dr. Javed Akhtar, Dean Faculty of Agriculture, UAF	02:45 pm
Vote of Thanks President, PSHS	03:00 pm
<b>END OF CONFERENCE</b>	03:15 pm