



PAKISTAN SOCIETY FOR
HORTICULTURAL SCIENCE



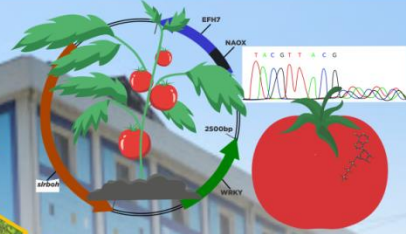
sa group

PSHS

International Horticulture Conference

(Revolutionizing Horticulture for secured future)

(IHC 2020)



International Horticulture Conference

(Revolutionizing Horticulture for Secured Future)

February 26-28, 2020

Conference Program

Pakistan Society for Horticultural Science

Venue

SA Gardens

&

Institute of Agricultural Sciences

University of the Punjab, Lahore, Pakistan

Organized by

**Institute of Agricultural Sciences University of the Punjab Lahore
and Pakistan Society for Horticultural Sciences(PSHS)**

International Horticulture Conference
(Revolutionizing Horticulture for Secured
Future)

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Conference Program

**Pakistan Society for Horticultural
Science**

Venue

SA Gardens

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**Institute of Agricultural Sciences
University of the Punjab, Lahore, Pakistan**

February 26, 2020

Inaugural Session

Venue: S A Gardens, Kala Shah Kaku, Lahore

Mediator: Prof. Dr. Tehmina Anjum

08:30 AM	Guests Registration
09:30 AM	Recitation from the Holy Quran
09:35 AM	Welcome <i>Prof. Dr. Tehmina Anjum</i>
09:45 AM	Overview and Objectives of the Conference <i>Dr. Muhammad Shafiq, President PSHS and Convenor IHC 2020</i>
09:50 AM	Overview of Pakistan Society for Horticultural Society <i>Dr. Raheel Anwar, General Secretary, PSHS</i>
09:55 AM	<i>Mr. Shoaib Afzal Malik, CEO SA Group</i>
10:05 AM	<i>Saeed Mughal, Patron Inchief, Agriculture Journalist Association Pakistan</i>
10:15 AM	Comments by Worthy Vice-Chancellor <i>Prof. Dr. Niaz Ahmad Akhtar, Vice Chancellor, University of the Punjab, Lahore</i>
10:25 AM	Address by the Chief Guest
10:30 AM	Vote of Thanks <i>Dr. Muhammad Saleem Haider, Director, Institute of Agriculture Sciences, University of the Punjab Lahore</i>
10:35 AM	Soveriner awarding moments
10:40	Group Photo
10:40 AM	Tea Break

Technical Sessions

SESSION I: PROPAGATION AND NURSERY MANAGEMENT

Venue: Royal Hall, SA Gardens

Chair: Prof. Dr. Ishtiaq Ahmad Rajwana (MNS UAM)

Co-Chair: Dr. Javed Tareen

Time	Title	Presenter
11:00 AM	Indigenous hydroponic vegetable cultivation technology in Pakistan	Prof. Dr. Ishtiaq Ahmad Rajwana
11:15 AM	Effect of foliar application of silicon on growth, yield, quality and vase life of tuberose grown under saline conditions	Prof. Dr. M. Akbar Anjum
11:30 AM	<i>In vitro</i> regeneration of plantlets through floral organs culture of clementine cassar (<i>Citrus clementina</i> Hort. Ex Tanaka) and tunisian maltese 'Maltese half-blood' (<i>Citrus sinensis</i>)	Dr. Nebiha Metoui
11:45 AM	Innovative approaches for quality fruit production to enhance kinnow export	Dr. Basharat A Saleem
11:55 PM	Usaid patta project promoting innovative and precision agriculture technologies to improve yield and quality of crops produced by small farmers in pakistan	Dr. Waqar Ahmad
12:10 PM	Vegetable grafting: current progress and future outlooks in Pakistan	Dr. M. Azher Nawaz
12:20 PM	Development of indigenous soilless substrate for containerized nursery production of ornamentals	Dr. Iftikhar Ahmad
12:30 PM	Sterilants effect and micro-propagation of two different cultivars of peach (<i>Prunus persica</i>)	Dr. Sayed Hussain
12:37 PM	The response of chili varieties under different sowing seasons	Ramsha Mehmood
12:42 PM	Micro propagation in gerbera (<i>Gerbera jamsonii</i> L.)	Dr. Monis Hussain Shah
12:50 PM	Proteomic and physiological assessment of a stress-sensitive and tolerant variety of tomato treated with brassinosteroids and hydrogen peroxide under low-temperature stress	Dr. Zoobia Bashir
12:55 PM	Seed priming with selenium improves growth of <i>coriandrum sativum</i> through modulation of photosynthetic and antioxidative system	Rehana Sardar
01:00 PM	Lunch and Prayer Break	

SESSION II: POST-HARVEST PHYSIOLOGY AND MANAGEMENT

Venue: Orchard Hall, SA Gardens
Chair: Prof. Dr. Randolph Beaudry (MSU)
Co-Chair: Prof. Dr. Aman Ullah Malik

Time	Title	Presenter
11:00 AM	Off-grid solar refrigeration: Technical innovations for the storage of perishables for smallholder farmers	Prof. Dr. Randolph Beaudry
11:20 AM	Utilization of Bioactive Phytochemicals in Postharvest Technology of Horticultural Crops	Prof. Dr. Tehmina Anjum
11:35 AM	Value Chain Approach for Improving Market Opportunities for Small Land Holding Vegetable Growers: A Case Study of Pakistan	Prof. Dr. Aman Ullah Malik
11:50 PM	Innovative Value Addition Technologies for Horticultural Produce Packaging	Prof. Dr. Nadeem Akhtar Abbasi
12:05 PM	Evaluation of Storage Potential of Commercial Tomato Cultivars	Dr. Raheel Anwar
12:20 PM	Postharvest Application of Oxalic Acid Enhanced Antioxidant Enzymes Activity That Maintained Quality of Peach cv. 'Flordaking' Fruit During Storage	Dr. Javed Tareen
12:35 PM	Use of Tetracycline to Control Citrus Huanglongbing disease	M. Kashif
12:42 PM	Effect of Postharvest Calcium Chloride application on the Storage Life and Quality of Guava Fruit	Dr. Ahmad Sattar Khan
12:50 PM	Post-harvest treatments improve the physicochemical characteristics of guava (<i>Psidium guajava</i>) fruit cv. Surahi	Moazzam Anees
12:55 PM	Assessment of Export Quality fruit of mango cv Sindhri at Harvesting Stage from different orchards	Samad Raza
01:00 PM	Lunch and Prayer Break	

SESSION III: BIOTIC AND ABIOTIC STRESS TOLERANCE

Venue: Royal Hall, SA Gardens
Chair: Prof. Dr. Muhammad Akbar Anjum
Co-Chair: Dr. Muhammad Adnan Shahid, Dr. Muhammad Shahid

Time	Title	Presenter
01:30 PM	New Caveat to Tomato Crop: Possible Future Threat to World Tomato Production	Dr. M. Shafiq Shahid
01:45 PM	Prospective Strategies for Abiotic Stress Management in Sustainable Horticulture Production	Dr. M. Adnan Shahid
02:05 PM	Effect of drought stress on growth, yield and capsaicin contents of hot pepper	Dr. Chaudhry M. Ayyub

02:20 PM	Distributional variability of bacterial wilt of chili incited by <i>Ralstonia solanacearum</i> in eight agro-ecological zones of Pakistan	Prof. Dr. Tariq Mukhtar
02:30 PM	Thermotherapy of citrus budwood to control Candidatus <i>Liberibacter asiaticus</i> transmission for Huanglongbing management	Dr. M. Sarwar Yaqub
02:40 PM	Evaluation of Some Botanicals against Citrus Bacterial Canker (<i>Xanthomonas citri</i> Subsp. <i>Citri</i>) Affecting Lime (<i>Citrus aurantifolia</i> Swingle) in Sudan	Elshafia A. H.
02:50 PM	Metagenomics study lead to targeted isolation and characterization of <i>Serratia</i> spp. from the root nodules of chickpea	Dr. Ahmad Zaheer
03:00 PM	How to increase exportable Kinnow fruits percentage under different ecological zones of the Punjab, Pakistan?	Rab Nawaz
03:07 PM	PGPR Inoculation Relieved Pea Plants from Oxidative Damage under Induced Salinity Conditions	Dr. Muhamamd Shahid
03:14 PM	Geographical distribution and disease assessment of bacterial canker in Stone Fruit Growing Areas of Pakistan	M. Inam-ul-Haq
03:23 PM	First report of <i>Curvularia lunata</i> causing postharvest fruit rot of banana in Pakistan	Dr.Arshad Javid
03:33 PM	Exogenous Application of Salicylic Acid for the Improvement of Tomato (<i>Solanum Lycopersicum</i>) Crop under Elevated Temperature Stress	Dr.Muhammad Azam Khan
03:40 PM	Application of organic compost for reclamation of soil salinity for appropriate growth of <i>Cucumbus sativus</i> seedlings	Dr.Maleeha Umber
03:50 PM	Biochar and mineral fertilizer enhanced radish (<i>Raphanus raphanistrum</i>) biomass, soil organic carbon and available nutrients in alkaline calcareous soil	Dr.Muhammad Riaz
04:00 PM	Isolation and screening of drought and salt-tolerant IAA producing and phosphate solubilizing plant growth-promoting rhizobacteria	Dr.Tanvir Shahzad
04:10 PM	Biological control of leaf spot causing fungal pathogens in red-edge dracaena and sow thistle	Dr.Sobiya Shafique
04:20 PM	Effect of 1- naphthaleneacetic acid and indole-3-acetic acid on rooting of tip cuttings of chrysanthemum (<i>Chrysanthemum morifolium</i> L.)	M. Anwar ul Haq
04:30 PM	Tea Break	

SESSION IV: GENETIC BREEDING AND BIOTECHNOLOGY

Venue: Orchard Hall, SA Gardens

Chair: Dr. Syed Ijaz Ul Hassan

Co-Chair: Dr. Muhammad Riaz, Dr. Tanvir Shahzad

Time	Title	Presenter
01:30 PM	Un-coding Molecular Signaling Behind Compatible Pollination in Brassicaceae (Cabbage Family)	Dr. M. Jamshed
01:50 PM	Study on Yield Comparison of Newly Registered and Exotic Seed Potato Cultivars Under different Ecological Zones of Gilgit Baltistan	Dr. Fazal-ur-Rehman
02:05 PM	Use of enzymes: an emerging trend in fruits and vegetable processing	Dr. Nasir Ahmad
02:20 PM	An overview of potato and challenges of its production in Pakistan	Dr. Syed Ijaz Ul Hassan
02:30 PM	Climate change severely affects Apple and Mango Production in Pakistan and China	Dr. Muhammad Adnan Arshad
02:40 PM	Elucidation of Gene-Regulatory-Network for Ore1 Transcription Factor in Controlling Senescence	Dr. Mamoona Rauf
02:50 PM	Effect of Edible Coatings on Quality Maintenance and Shelf- life of Guava	Dr. Muhammad Azam
03:00 PM	Green Iron-Nanoparticles as a DNA Delivery System for the Production of Transgenic Plants	Naila Farooq
03:05 PM	Analysis of Genotype X Environment Interactions in Tomato	Dr.M. Yussouf Saleem
03:15 PM	Effect of different levels of fungicide and storage intervals on <i>in vitro</i> synthetic seed production of Potato	Dr.Ishfaq Ahmed Hafiz
03:25 PM	Evaluation of heat tolerance potential in bell pepper genotypes under heat stress	Dr.Mujahid Ali
03:35 PM	Effect of harvesting maturity on market period of Halman apricot	Haseena Batool
03:45 PM	Biochar as Eco-friendly Friendly Fertilizer to Boost the Strawberry (<i>Fragaria ananassa</i>) Production in Arid climate	Dr.Umbreen Shahzad
04:00 PM	Evaluation of different irrigation schedules and nitrogen fertigation levels for improving water use efficiency of potato under drip irrigation system	Dr. Muhammad Bilal Chattha
04:10 PM	Impact of orange and banana peels extract on the growth and physiology of tomato (<i>Solanum lycopersicum</i>) seedlings infected by <i>Fusarium oxysporum</i> L.	Dr. Sundus Akhtar
04:20 PM	Identification of genes related to flower senescence in cut rose	Dr.Nisar Hussain
4:30 PM	Tea Break	

5:00 PM	Annual General Meeting 2020 Pakistan Society for Horticulture Sciences Venue: Royal Hall, SA Gardens Convener: Dr. Raheel Anwar, General Secretary, PSHS
6:00 PM	Royal Cultural Eve Followed By Dinner

February 27, 2020

Venue: Institute of Agricultural Sciences University of the Punjab, Lahore, Pakistan

SESSION V: HORTICULTURE THERAPY

Venue: IAGS, Seminar Room 1, PU, Lahore

Chair: Prof.Dr. Rhonda Janke
Co-Chair: Prof.Dr. Tehmina Anjum

Time	Title	Presenter
08:30 AM	Organic Farming - Future Prospects and Challenges	Prof.Dr.Rhonda Janke
08:50 AM	Physiological and psychological effects of gardening activity in older adults	Dr.Ahmad Hassan
09:00 AM	Liquiritin elicitation can increase medicinally important glucosinolates and phenolic compounds in Chinese kale plants	Dr.Waheed Akram
09:10 AM	A non-pharmacological and noninvasive treatment approach medically beneficial to the wellbeing of patients	Dr.Muhammad Ali Khan
09:25 AM	Medicinal value of neglected herbs: farmers' perspective	Dr. Sajid Ali
09:35 AM	Horticulture is Beneficial for Health: A Meta-analysis and Review	Dr. Sadia Nawaz
09:45 AM	Tea Break	

SESSION VI: FLORICULTURE AND LANDSCAPE

Venue: IAGS, Seminar Room 2, PU, Lahore

Chair: Prof. Dr. Muhammad Saeed
Co-Chair: Prof. Dr. K. Yakandawala

Time	Title	Presenter
08:30 AM	Potential of native flora in the ornamental horticulture industry	Prof. Dr.Kapila Yakandawala Professor
08:50 AM	Role of living green walls in coping with environmental pollution	Dr. Aamir Nawaz
09:05 AM	Construction of Eco-Friendly Motorway Sukkur - Multan Motorway Project (M-5)	Dr. Aslam Khan
09:15 AM	Genome editing of potato cultivars (Cardinal and Desiree) to develop resistance against viral co-infections	Dr.Amir Hameed
09:25 AM	Greening of Rooftops – Future of Sustainable Community Planning: A Review	PhD Scholar Mehak Shehzad

09:35 AM	Tea Break
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SESSION VII: PERI URBAN AND URBAN CROP PRODUCTION

Venue: IAGS, Seminar Room 1, PU, Lahore

Chair: Dr. Tarlok Singh Sahota

Co-Chair: Dr. Muhammad Tahir Rashid; Dr. Amna Shoaib

Time	Title	Presenter
10:30 AM	Environmentally Smart Nitrogen (ESN) - Potential for Improving Modern Crop Production and N-Use Efficiency	Dr. Tarlok Singh Sahota
10:50 AM	Organic media amendments enhance superior bioactive phytochemical profile in vegetables	Dr. Mumtaz A Cheema
11:10 AM	Impact of modern technologies on the production of horticulture fruits: A case study of China	Dr. Maqsood Ahmed
11:20 AM	Aquaponics: An innovative farming solution for the production of organic vegetables	Dr. Ambreen Khadija Alvi
11:30 AM	Production of antioxidant-enriched vegetables and fruits	Dr. Muhamamd Tahir Rashid
11:40 AM	Various levels of Pre and Post-Emergence Herbicides Affect Weed Density, Plant Growth, Yield and Quality of <i>Gladiolus</i> L. hybrids	Dr. Iftikhar Ahmad
11:50 PM	Study of the responses of roadside vegetation to vehicular exhaust pollution- A physiochemical appraisal	Sumreen Anjum
12:00 PM	Evaluation of Household Food Security in Peri-urban Areas of Gilgit City	Prof. Dr. Saleem Rasheed
12:10 PM	Impact of PGPB from bovine manure on vegetable farming for a green and sustainable environment	Dalaq Aiysha
12:20 PM	Urban and Peri-Urban Agriculture as a Strip to Food Sanctuary in Lahore	Dr. Faiza Mazhar
12:30 PM	Plant Responses to Water Stress in Guava (<i>Psidium guajava</i> L.)	Dr. Muhammad Usman
12:40 PM	Identification and management of <i>Alternaria ochroleuca</i> - a cause of leaf necrosis in money plant	Dr. Shazia Shafique
12:50 PM	Drying Olive Leaf for Green Tea Business: Entrepreneurship in Horticulture	Muhammad Samsam Raza
01:00 PM	Olive production and value chain development initiatives in Punjab	Dr. Muhammad Ramzan Anser
01:10 PM	Future prospects of rapid and non-destructive techniques in olive oil processing industries	Dr. Muhammad Haseeb Ahmad
01:20 PM	Effect of different agro-wastes, casing materials and supplements on the growth, yield, and nutrition of milky mushroom (<i>calocybe indica</i>)	Dr. Hasan Sardar
01:30 PM	Lunch and Prayer Break & Poster Evaluation	

SESSION VIII: PLANT DISEASES AND PEST MANAGEMENT

Venue: IAGS, Seminar Room 2, PU, Lahore

Chair: Dr. Nguyen Bao Quoc

Co-Chair: Prof.Dr. Tariq Mukhtar, Prof.Dr. N. S. Kottarachchi

Time	Title	Presenter
10:30 AM	Biological control of <i>Corynespora</i> Leaf Fall Disease (CLFD) in the rubber tree by <i>Bacillus amyloliquefaciens</i> T3	Dr. Nguyen Bao Quoc
10:50 AM	Mountain papaya; (<i>Vasconcellea cundinamarcensis</i>), a potential resource for the improvement of <i>Carica papaya</i> for papaya ringspot virus resistance and functional foods	Prof. Dr.N S. Kottarachchi
11:10 AM	Aphid borne viruses in potato with particular interest to <i>PVY</i> and <i>PLRV</i>	Dr. Sabrine Nahdi
11:30 AM	Contending charcoal rot disease of mung bean by employing biocontrol <i>Ochrobactrum ciceri</i> and Zinc	Dr. Amna Shoaib
11:40 AM	Molecular genetic variability of the chestnut blight fungus (<i>Cryphonectria parasitica</i>) in South Tyrol (Italy) and the incidence of hypovirus infection	Farooq Ahmad
11:50 PM	Fall armyworm, <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) Impacts and Implications	Dr.Shahbaz Ahmad
12:00 PM	Monitoring resistance to insecticides in the fruit fly, <i>Bactrocera dorsalis</i> , in Punjab, Pakistan	Dr.Hafiz Azhar Ali Khan
12:10 PM	Gibberellic acid improves the physico and phyto-chemical attributes of strawberry cv. "Chandler	Dr.Kashif Razzaq
12:20 PM	Biological control of bacterial blight of pomegranate through plant extracts and essential oils	Dr. Muhammad Abid
12:10 PM	Exploiting antifungal potential of leaf extract of <i>Datura metel</i> for management of <i>Sclerotium rolfsii</i>	Dr. Nadia Jabeen
12:20 PM	Assessment of Partial resistance in carrot against <i>Alternaria alternata</i> extracts	Dr. Zill-e-Huma Aftab
12:30 PM	Impact of foliar Application time and a dose of calcium, zinc, and boron on growth, yield, and fruit quality of strawberry cv. Chandler	Dr. Sami ullah
12:40 PM	Effectiveness of chemicals modules for the management of Mango hoppers, <i>Idioscopus clypealis</i> Lethierry (Hemiptera: Cicadellidae) in mango	Dr. Haider Karar
12:50 PM	Characterization and Control of Endophytic Bacteria Growth during In-Vitro Germination of Pea (<i>Pisum Sativum</i>) Seeds	Muhammad Arif
01:00 PM	Locust's development & their movement from region to region	M. Umar Javed
01:10 PM	Biogenic silver nanoparticles mediated stress on developmental period and gut physiology of Pink bollworm, (<i>Pectinophora gossypiella</i> Lepidoptera: Gelechiidae) an eco-friendly approach of insect pest control"	Ayesha Zulfiqar
01:20 PM	Etiology of fungal leaf spots in Lady Palm (<i>Rhapis excels</i>) in Punjab Pakistan	Dr. Imran Ul haq
01:30 PM	Lunch and Prayer Break & Poster Evaluation	

SESSION IX: PLANT DISEASE MANAGEMENT

Venue: IAGS, Room 8, PU, Lahore

Chair: Dr. Amjad Aulakh
Co-Chair: Dr. Nasir Subhani

Time	Title	Presenter
10:30 AM	Early detection and management of the Red Palm Weevil <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae)	Dr.Mudssar Ali
10:40 AM	Clean and Green Pakistan Initiative: A productive approach for environment sustainability	Muhammad Tariq Iqtadar
10:50 AM	Methyl Jasmonate Induced Resistance in relation to the application of a parasitoid, <i>D. rapae</i> against cabbage aphid in oilseed rape (<i>Brassica napus</i> L.)	Dr.Samina Jam Nazeer Ahmad
11:00 AM	Study of Variability, Heritability, and Genetic Advance in Onion (<i>Allium cepa</i> var. <i>Cepa</i> L.)	Dr.Rizwan Rashid
11:10 AM	Production of polyhydroxy butyrate by agriculture waste using solid-state fermentation	Dr.Shagufta Saeed
11:20 AM	Floral Biology, Pollen Viability and Hybridization in Pomegranate (<i>Punica Granatum</i> L.) Cultivars	Sufian Ikram
11:30 AM	Potential for the use of Elicitors in inducing resistance against <i>Alternaria solani</i> caused Early Blight in Tomato	Dr.Rashid Iqbal Khan
11:40 AM	Molecular Characterization of <i>Penicillium expansum</i> Associated with Blue Mold Disease of Apple in Pakistan	Iqra Haider Khan
11:50 AM	Molecular characterization of endophytic bacterial diversity from citrus in Punjab Pakistan	Dr.Sehrish Mushtaq
12:00 PM	Development of DNA barcoding system for molecular identification of broccoli (<i>Brassica oleracea</i> var. <i>Italica</i> plenk)	Zeeshan Ali
12:10 PM	Screening of Bioactive Compounds and Biological Activities of Leaf Extract of <i>Moringa oleifera</i> on <i>Capsicum annum</i>	Dr.Sadaf Anwaar
12:20 PM	Growth and quality of zinnia in response to different growth stimulants	Nimra Khalid
12:30 PM	Differential pH-Induced Biosynthesis of Steviol Glycosides and Biochemical Parameters in Submerge Root Cultures of <i>Stevia rebaudiana</i> (Bert.)	Shah Zeb
12:40 PM	Elucidation of phytochemical profile and antimicrobial activity of zingiber zerumbet	Dr.Javed Iqbal Wattoo
12:50 PM	Optimizing Growing Media for Healthy Tomato Seedling Production	Dr. Hafiz Nazar Faried
01:00 PM	Functional analysis of TERMINAL FLOWER1 homolog CmTFL1a in Chrysanthemum cultivar 'Jinba' via CRISPR Cas-9 system	Saba Haider
01:10 PM	DNA barcoding, phylogenetic analysis and biological control of yellow peach moth, <i>Conogethes punctiferalis</i> (guenee)	Dr.Jam Nazeer Ahmad

	(Lepidoptera: Crambidae) infesting Guava in Punjab, Pakistan	
01:20 PM	Influence of Silicon Nano-Particles of <i>Avena sativa</i> L. To alleviate the effect of <i>Rhizoctonia solani</i>	Dr.Khajista Jabeen
01:30 PM	Lunch and Prayer Break & Poster Evaluation	

SESSION X: PHYSIOLOGY BIOCHEMISTRY AND MOLECULAR BIOLOGY

Venue: IAGS, Seminar Room 8, PU, Lahore

Chair: Prof.Dr.M. Arsahd Javed

Co-Chair: Dr. Fazal ur Rehman, Dr. Zahoor Hussain

Time	Title	Presenter
02:00 PM	Creasing in sweet oranges: the role of putrescine	Dr.Zahoor Hussain
02:15 PM	Comparative study on morphological, physiological and biochemical indices for evaluating dwarfing potential in apple rootstocks	Dr.Faisal Hayat
02:30 PM	Tomato fruit quality improvement through ascorbic acid biosynthesis pathway	Dr.Shoaib Munir
02:40 PM	A successful technique for root Initiation in Aerial Suckers of Date palm with Gotti layering and rooting hormones	Dr.Saeed Ahmad
02:50 PM	Establishment of PCR based diagnostic protocols of citrus diseases in Pakistan	Dr. Muhammad Mubin
03:00 PM	Nano emulsion-based edible coating of alginate and margosa seed oil modulates biochemical changes in papaya fruit by upregulating antioxidant system	Dr.Ghulam Khaliq
03:10 PM	Effect of a spray of plant growth regulators on morphological and physiological attributes of Phalsa	Dr.Muhammad Nafees
03:20 PM	Optimization of Curing Technique for Long Term Storage of Summer Harvested Onion	M. Muzammil Jahangir
03:30 PM	24-Epibrassinolide Mitigates Cadmium Stress In <i>Cucumis Sativus</i> Seedlings: Modulation Of Antioxidant Enzymes And Polyamines	Dr.Anis Ali Shah
03:40 PM	Physicochemical and Nutritional Composition of Different Quince Accessions Grown in Rawalakot, Azad Jammu & Kashmir	Dr.Nosheen Zahid
03:50 PM	PGPR enhanced the growth of Lead-stressed <i>Helianthus annuus</i> L. by modulating the antioxidative homeostasis.	Dr. Muhammad Azeem
04:00 PM	Tea Break	

An Interactive Session On Climate Change Mitigation Strategies For Youth

Venue: IAGS, Seminar Room 2, PU, Lahore

02:00 PM - 03:00 PM

- Dr. Saeed Ilahi (Ex-Chairman Red Crescent /Ex. Health Minister /Journalist)
- Miss. Shaista Pervaiz (Member National Assembly / Member Standing Committee For Climate Change)
- Mr. Muhammad Adnan Zahid (Visiting Lecturer IAGS), Scholar Climate Change Agriculture And Food Security

A Special Workshop On Clean And Green Initiative

Venue: IAGS, Seminar Room 2, PU, Lahore

03:00 PM - 04:00 PM

Moderator; Dr. Umer Habib

SESSION XI: GENERAL TALKS ON HORTICULTURE

Venue: IAGS, Seminar Room 1, PU, Lahore

Chair: Dr. Ishfaq Ahmad Hafiz

Co-Chair: Dr. Munawar Raza Kazmi

Time	Title	Presenter
02:00 PM	Using amaranth as a model plant for evaluating imperfect storages: Evaluating the functionality of solar refrigerated and evaporatively cooled (SREC) structures	Prof. Dr.Randolph and Dr. Sangeeta
02:20 PM	Horticulture for food security and livelihood improvement	Prof.Dr.M. Jafar Jaskani
02:35 PM	Identification of Promising Horticulture Crops and Water-Efficient Cropping Pattern for Irrigated Farming System of Balochistan	Dr. Muhammad Saeed
02:45 PM	Plant Growth Modelling and Applications in Horticultural Crops: A case model for <i>Crotalaria retusa</i>	Prof. N. R. Abeynayake
02:55 PM	Comparison between biological and chemical management of a mixed population of plant-parasitic nematodes in turfgrass	Dr.Manzoor Hussain
03:10 PM	Working innovatively for enhancing horticultural R&D - Evolution tory of ACIAR work in Pakistan	Dr. Munawar Raza Kazmi
03:20 PM	Short-Term Exposure to Ozone and Ultrasound Inhibits Decay and Deterioration in Fruit Quality of Cold-Stored Strawberries	Aysha Maryum

3:30 PM	Climate Change and the Future of Temperate Fruit-Peshawar as a Case Study	Dr.Atiq Ahmad
03:40 PM	Antimicrobial properties of <i>Moringa oleifera</i> seed extracts	Dr.Zahida Qadeer
03:50 PM	Proximate and nutritional quality attributes of different potato (<i>Solanum tuberosum</i> L.) germplasm for Industrial Use	Dr. Shazia Erum
04:00 PM	Tea Break	

SESSION XII: ENTREPRENEURSHIP IN HORTI BUSINESS

Venue: Al-Razi Hall, PU, Lahore

Chair: Dr. Muhammad Ayub

Co-Chair: Dr. Sajid Ali

Time	Title	Presenter
04:15 PM	Role of the private sector in Seed potatoes production in Pakistan	Ahmad Saeed Bhatti
04:25 PM	Role of Computer Technology Tools in the Advancement of Horticulture	Hina Ibrahim
04:35 PM	Commercial Rose cultivation in Punjab, Pakistan: Present status and future prospects	Dr.Naveed Ahmad
04:42 PM	Enterprise Development in Rural Communities through Horticultural Crops in Khar Mong District, Gilgit-Baltistan	Dr.Ishtiaq Hussain
05:05 PM	Value Addition in Floriculture - A way towards emerging Entrepreneurship	Dr.Ahsan Akram
05:15 PM	Effect of Hot water treatment on microbial decay and enzyme activities of Papaya (<i>Carica papaya</i>) fruit during cold storage	Aliya Hanif
05:22 PM	Optimization of Storage Durations and packaging materials of Cut Narcissus tazetta Stems	Muhammad Umair Shafiq
05:30 PM	CONCLUDING CEREMONY	

Poster Presentations

February 27, 2020

Venu: IAGS

Mounting of Posters: 08:30 PM - 09:30 PM

Poster Evaluation: 01:00 PM- 02:00 PM

Poster No.	Abstract Title	Presenter
IHC2020P-1	Evaluation/Characterization of Perennial Plant Species for Urban Green Space Against Different Stresses	Aleem Ahmed
IHC2020P-2	Effect of different edible coatings on the quality and shelf life of chinese meyer lemon (<i>Citrus meyeri</i> L.)	Danish Ahmad
IHC2020P-3	Effect of Growing Media on Seed Germination and Seedlings Growth of Pumpkin (<i>Cucurbita moschata</i> L.).	Erum Rashid
IHC2020P-4	MYC2 transcription factor mediates by jasmonates signaling pathway stimulates the tolerance mechanism against the abiotic stress in plants	Faiza Shafique Khan
IHC2020P-5	Effect of Pre-Storage Treatments on Shelf Life and Disease Management of Chilli	Hafiza Hadiqa Anum
IHC2020P-6	Evaluation of different drying techniques on biochemical and quality parameters of Jujube	Nasar Amjad
IHC2020P-7	Effect of plant spacing on vigor and productivity of cut marigold	Jawad Hassan
IHC2020P-8	Determining optimal planting time through staggered planting of commercial gladiolus cultivars in Faisalabad	Nasar Amjad
IHC2020P-9	Effect of organic and inorganic fertilizer on growth, yield and quality of carrot (<i>Daucus carota</i> L.)	M. Irfan Ashraf
IHC2020P-10	Effect of foliar application of zinc and boron on growth and yield of chilli (<i>Capsicum annum</i> L.)	M. Irfan Ashraf
IHC2020P-11	Effect of foliar application of water soluble fertilizer on flowering, yield and quality attributes of tomato (<i>Solanum lycopersicum</i> L.).	M. Irfan Ashraf
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IHC2020P-15	Recent Advances in the Foliar Application of Mineral Nutrients for Fruit Crops: An overview	Anam Waheed Ahmad Sattar Khan
IHC2020P-16	Optimizing planting time, callus induction techniques, cuttings wood age and their preparation method for	Hafiz Atta ur Rehman Saeed

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IHC2020P-22	Growth, yield and quality of strawberry under different photoperiods (natural light) and soil media	Saba Ambreen Memon
IHC2020P-23	Effect of naphthalene acetic acid (NAA) on rooting in stem cuttings of fig (<i>Ficus carica</i> L.)	Saba Ambreen Memon
IHC2020P-24	Alleviation of salt stress in <i>Trigonella foenum-graecum</i> L. through different seed priming techniques	Sajjad Hussain
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IHC2020P-37	Effect of Drought Stress on Growth, Morphology and Physiological responses in Bismarckia Palm (<i>Bismarckia nobilis</i>)	Iram Naz
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