



# PROGRAMME

## INTERNATIONAL HORTICULTURE CONFERENCE, PAKISTAN 2018 25-27 APRIL 2018

Organized by:  
**Department of Horticulture**  
**PMAS-Arid Agriculture University Rawalpindi -Pakistan**



## Inaugural Session 25<sup>th</sup> April, 2018

### Main Auditorium of University

Time Hours	Coordinator: Dr. Muhammad Tariq Siddique, Associate Professor Soil Science, PMAS-AAUR. Facilitator: Mr. Mazhar Qayyum, PhD Scholar, Ms. Hafiza Sana Riaz, M.Sc (Hons) Horticulture Student, PMAS-AAUR
08:30	Registration/Receiving of Posters
09:30	Guests to be seated
09:45	Arrival of the Chief Guest
09:50	Recitation from the Holy Quran and Naat-e-Rasool-e-Maqbool (PBUH)
10:00	Welcome Address by <b>Prof. Dr. Sarwat N. Mirza</b> Vice Chancellor, PMAS-AAUR
10:10	Key Note Address by <b>Prof. Dr. Nadeem Akhtar Abbasi</b> Dean, FC & FS PMAS-AAUR
10:30	Inaugural Address by the Chief Guest <b>Engr. Muhammad Baligh Ur Rehman</b> Federal Minister for Ministry of Federal Education and Professional Training
10:40	Vote of thanks by <b>Prof. Dr. Ishfaq Ahmed Hafiz</b> Chairman, Department of Horticulture, PMAS-AAUR
10:50	Refreshment/Visit of Flower Arrangement and First Food Product Development Competition

25<sup>th</sup> April, 2018

UIBB Seminar Room

### Technical Session-I

#### Propagation, Varietal Improvement, Selection and Conservation of Horticultural Crops

**Chair: Prof. Dr. Wen-Wu Guo**

Huazhong Agricultural University P.R China

**Co-Chair: Prof. Dr. Muhammad Kausar Nawaz Shah**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

Time Hours	Coordinator: Dr. Muhammad Tariq Siddique, Associate Professor Soil Science, PMAS-AAUR. Facilitator: Mr. Mazhar Qayyum, PhD Scholar, Ms. Hafiza Sana Riaz, M.Sc (Hons) Horticulture Student, PMAS-AAUR
11:30	Date palm germplasm of Sindh and its propagation through conventional and non-conventional methods <b>Prof. Dr. Ghulam Sarwar Markhand</b> , Date Palm Research Institute, Shah Abdul Latif University, Khairpur, Pakistan
11:55	Citrus breeding: Conventional and biotechnological interventions <b>Prof. Dr. M. Jafar Jaskani</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan

12:20	Potential of mutation breeding in guava crop improvement <b>Dr. Muhammad Usman</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
12:40	In vitro evaluation of transgenic Olive ( <i>Olea europaea</i> L.) plants with tobacco osmotin gene for drought stress tolerance <b>Mr. Muhammad Ajmal Bashir</b> , Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
13:00	<b>Lunch and Prayer Break</b>

## Technical Session-II

### Propagation, Varietal Improvement, Selection and Conservation of Horticultural Crops

**Chair: Prof. Dr. Eddo Rugini**

University of Tuscia, Italy

**Co-Chair: Dr. Zahid Akram**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

Time Hours	<b>Coordinator:</b> Dr. Muhammad Tariq Siddique, Associate Professor Soil Science, PMAS-AAUR. Facilitator: Mr. Mazhar Qayyum, PhD Scholar, Ms. Hafiza Sana Riaz, M.Sc (Hons) Horticulture Student, PMAS-AAUR
14:00	Varietal improvement of citrus: Somatic hybridization <b>Prof. Dr. Wen-Wu Guo</b> , College of Horticulture and Forestry, Huazhong Agricultural University, P.R China
14:25	Prospects of mutation breeding in grapefruit ( <i>Citrus paradise</i> Macf.) <b>Dr. Muhammad Usman</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
14:40	Karyological studies of indigenous date palm cultivars of Sindh, Pakistan <b>Dr. Tahira Jatt</b> , Department of Botany, Shah Abdul Latif University, Khairpur, Sindh, Pakistan
14:55	Response of diploid and autotetraploid volkameriana lemon rootstocks under salt stress conditions <b>Dr. Sajjad Hussain</b> , Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan
15:10	Performance of olive cultivar 'gemlik' at Barani Agricultural Research Institute Chakwal <b>Dr. Azhar Hussain</b> , Barani Agricultural Research Institute Chakwal, Pakistan
15:25	Conservation and domestication of medicinal plants at higher altitude of Khyber Pakhtunkhwa Province <b>Mr. Muhammad Azim Khan</b> , The University of Agriculture, Peshawar, Pakistan
15:40	Direct <i>in vitro</i> regeneration from leaf disc of different potato varieties, a prerequisite in genetic transformation <b>Ms. Qudsia Saeed</b> , Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
15:55	Performance of some heat tolerant tomato genotypes in central Punjab <b>Mr. Muhammad Ali</b> , Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan

<b>16:10</b>	Assessment of growth, yield and quality of newly introduced exotic apple varieties under high density plantation in Kashmir <b>Ms. Rafiya Mushtaq</b> , Division of Fruit Science, Sher-e-Kashmir University of Agricultural Science and Technology, Jammu and Kashmir
<b>16:25</b>	<b>Tea Break/Posters Presentation</b>
<b>17:30</b>	<b>Annual General Meeting</b> of Pakistan Society for Horticultural Science at Main Seminar Room

<b>Main Seminar Room</b>	
<b>Technical Session-I</b>	
<b>Market Opportunities and Challenges of Horticultural Industry</b>	
<b>Chair: Prof. Dr. Aman Ullah Malik</b> University of Agriculture, Faisalabad	
<b>Co-Chair: Mr. Arshad Mahmood Malik</b> Department of Economics, PMAS-Arid Agriculture University, Rawalpindi, Pakistan	
<b>Time Hours</b>	<b>Coordinator:</b> Dr. Badar Naseem Siddique, Associate Professor Agri. Extension, PMAS-AAUR. <b>Facilitator:</b> Mr. Naeem Akhtar, PhD scholar, Mr. Arif Hussain B.Sc (Hons) Horticulture Student, PMAS-AAUR
<b>11:30</b>	Trends in global floriculture: challenges and opportunities for Pakistan. <b>Mr. Wim van Kester</b> , PUM Senior Experts, The Hague, Netherlands
<b>11:55</b>	Current status and issues of mango export and their possible solutions <b>Prof. Dr. Aman Ullah Malik</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
<b>12:20</b>	Channelizing onions and tomatoes of Baluchistan to overcome shortage in Punjab and Sindh markets <b>Dr. Muhammad Saeed</b> , Horticulture/Agriculture/Rural Development, Monitoring and Evaluation, Capacity Building, Baluchistan, Pakistan
<b>12:45</b>	<b>Lunch and Prayer Break</b>

<b>Technical Session-II</b>	
<b>Market Opportunities and Challenges of Horticultural Industry</b>	
<b>Chair: Dr. Muhammad Saeed</b> Horticulture/Agriculture/Rural Development, Monitoring and Evaluation, Capacity Building, Baluchistan	
<b>Co-Chair: Dr. Shahid J. Butt</b> PMAS-Arid Agriculture University, Rawalpindi, Pakistan	
<b>Time Hours</b>	<b>Coordinator:</b> Dr. Badar Naseem Siddique, Associate Professor Agri. Extension, PMAS-AAUR. <b>Facilitator:</b> Mr. Naeem Akhtar, PhD scholar, Mr. Arif Hussain B.Sc (Hons) Horticulture Student, PMAS-AAUR
<b>14:00</b>	Critical success factors and management practices for entrepreneurs in floriculture <b>Mr. Wim van Kester</b> , PUM Senior Experts, The Hague, Netherlands
<b>14:25</b>	Current scenario of research of fruit crops in Bangladesh: Challenges and opportunities <b>Prof. Dr. M. A. Rahim</b> , Department of Horticulture, Bangladesh Agricultural University, Mymensingh, Bangladesh

<b>14:50</b>	Prospects and challenges of Pakistan horticulture industry <b>Prof. Dr. Ishtiaq Ahmad Rajwana</b> , Department of Horticulture, MNS University of Agriculture, Multan, Pakistan
<b>15:15</b>	Minor fruits of Baluchistan: Opportunities and challenges <b>Dr. Muhammad Javed Tareen</b> , Baluchistan Agriculture Research, Quetta, Pakistan
<b>15:40</b>	Analyzing Performance of fruit sector of Pakistan <b>Mr. Arshad Mahmood Malik</b> , Department of Economics, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>16:00</b>	Post-harvest management of fruits-approaching towards food security. <b>Dr. Syed Abdul Sadiq</b> , Balochistan Agriculture College Quetta, Pakistan
<b>16:20</b>	SWOT analysis of pomegranate industry in South Punjab, Pakistan <b>Mr. Ghulam Mustafa</b> , Department of Horticulture, MNS-University of Agriculture Multan, Pakistan
<b>16:40</b>	<b>Tea Break/Posters Presentation</b>
<b>17:30</b>	<b>Annual General Meeting</b> of Pakistan Society for Horticultural Science

**26<sup>th</sup> April, 2018**

**UIBB Seminar Room**

**Technical Session-I**

**Production Technology for Horticulture Crops**

**Chair: Prof. Dr. Muhammad Akbar Anjum**

Bahauddin Zakriya University, Multan

**Co-Chair: Prof. Dr. Fayyaz ul Hassan**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

<b>Time Hours</b>	Coordinator: Ms. Najma Yousaf Zahid, Assistant Professor Horticulture, PMAS-AAUR. Facilitator: Ms. Rabia Ashraf, PhD Scholar, Mr. Muhammad Amir Muawiya, M.Sc (Hons) Horticulture Student, PMAS-AAUR
<b>09:00</b>	Modern olive production technology <b>Prof. Dr. Eddo Rugini</b> , Universita Degli Studi Della Tuscia, Italy
<b>09:25</b>	Practice strategies to sustainable plant citrus trees in Huanglongbing Infected Region <b>Prof. Dr. Liu Young-Zhong</b> , College of Horticulture and Forestry, Huazhong Agricultural University, P.R China
<b>09:50</b>	Identification and allelopathic mechanism of green garlic volatiles on cucumber seedlings <b>Prof. Dr. Zhihui Cheng</b> , College of Horticulture, Northwest Agriculture and Forestry University, Yangling, Shaanxi, P.R China
<b>10:15</b>	Heavy metals contamination in vegetables grown in peri-urban areas <b>Prof. Dr. Muhammad Akbar Anjum</b> , Department of Horticulture, Bahauddin Zakriya University, Multan, Pakistan
<b>10:40</b>	Impact of modern technologies on the production of horticulture fruits: A case study of China <b>Prof. Dr. Maqsood Ahmed</b> , Department of Biotechnology, Mirpur University of Science and Technology, Mirpur, Azad Jammu and Kashmir, Pakistan
<b>11:05</b>	<b>Tea Break/Posters Presentation</b>

<b>Technical Session-II</b>	
<b>Production Technology for Horticulture Crops</b>	
<p><b>Chair: Prof. Dr. Liu Young-Zhong</b> Huazhong Agricultural University, P.R China</p> <p><b>Co-Chair: Prof. Dr. Ishfaq Ahmed Hafiz</b> PMAS-Arid Agriculture University, Rawalpindi, Pakistan</p>	
<b>Time Hours</b>	<p><b>Coordinator:</b> Ms. Najma Yousaf Zahid, Assistant Professor Horticulture, PMAS-AAUR. <b>Facilitator:</b> Ms. Rabia Ashraf, PhD Scholar, Mr. Muhammad Amir Muawiya, M.Sc (Hons) Horticulture Student, PMAS-AAUR</p>
<b>11:30</b>	<p>Leguminous cluster bean affects the performance and economics of intercropped non-leguminous okra and chilies <b>Dr. Muhammad Saqib</b>, Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan</p>
<b>11:45</b>	<p>Evaluation of novel specialty cut flowers in Punjab Pakistan <b>Dr. Iftikhar Ahmad</b>, Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan</p>
<b>12:00</b>	<p>Application of biochar in potting substrate for the sustainable production of <i>Syngonium podophyllum</i> <b>Mr. Faisal Zulfiqar</b>, Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan</p>
<b>12:15</b>	<p>Evaluation of different local materials as peat substitute in soil-less potting media <b>Dr. Shahzada Sohail Ijaz</b>, Institute of Soil Science, PMAS-Arid Agriculture University, Rawalpindi, Pakistan</p>
<b>12:30</b>	<p>Soil and petiole micronutrient content of grape orchards of Kashmir and their relationship with quality and yield of grape berries <b>Mr. Zahoor Ahmad Bhat</b>, Division of Soil Science, Sher-e-Kashmir University of Agricultural Science and Technology, Jammu and Kashmir</p>
<b>12:45</b>	<p>Aggregate associated and mineralizable carbon under different agricultural land use systems of central Kashmir, India <b>Mr. Niyaz Ahmad Dar</b>, Division of Biotechnology, Sher-e-Kashmir University of Agricultural Science and Technology, Jammu and Kashmir</p>
<b>13:00</b>	<b>Lunch and Prayer Break</b>

<b>Technical Session-III</b>	
<b>Dietetics and Pharmaceutical Values of Horticultural Crops</b>	
<p><b>Chair: Prof. Dr. Zhihui Cheng</b> Northwest Agriculture and Forestry University, Yangling, Shaanxi, P.R China</p> <p><b>Co-Chair: Ms. Najma Yusaf Zahid</b> PMAS-Arid Agriculture University, Rawalpindi, Pakistan</p>	
<b>Time Hours</b>	<p><b>Coordinator:</b> Ms. Ismara Naseem, Lecturer IHA, PMAS-AAUR. <b>Facilitator:</b> Ms. Qudsia Saeed, PhD Scholar, Ms. Ruby Iqbal M.Sc (Hons) Horticulture Student, PMAS-AAUR</p>

14:00	Regulating horticultural practices for plant based medicines- Ethical and moral dilemmas. <b>Dr. Muhammad Mukhtar</b> , Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang, Lebuhraya Tun Razak Gambang, Pahang Darul-Makmur, Malaysia.
14:25	Irrigation water quality affects fruit physico-chemical attributes and heavy metals contents in jaman and falsa <b>Prof. Dr. Muhammad Akbar Anjum</b> , Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan
14:50	Morphological, physicochemical and nutritional study of fig ( <i>figus carica</i> L.) collected from district Kotli, Azad Jammu and Kashmir <b>Prof. Dr. Jamil Ahmad</b> , University of Poonch, Rawalakot, Azad Jammu and Kashmir, Pakistan
15:15	Ripening-dependent accumulation of lipophilic and hydrophilic antioxidants in 'red rose' tomato fruit grown under the protective environment <b>Dr. Muhammad Shafiq</b> , Department of Plant Production, King Saud University, Kingdom of Saudi Arabia
15:40	Differential pH-induced biosynthesis of Steviol glycosides and biochemical parameters in submerge root cultures of <i>Stevia rebaudiana</i> (Bert.) <b>Mr. Naveed Ahmad</b> , Department of Horticulture, University of Agriculture, Peshawar, Pakistan
15:55	Walnut: power house of Omega 3 and their significance <b>Mr. Muhammad Azam</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
16:10	Determination of capsaicin and dihydrocapsaicin from ( <i>Capsicum annum</i> L.) germplasm using high performance liquid chromatography (HPLC) <b>Ms. Nadra khan</b> , Department of Horticulture, University of Poonch, Rawalakot, Azad Jammu and Kashmir, Pakistan
16:25	Phytochemical screening of selected plants from district Nowshera, Khyber Pakhtunkhwa, Pakistan <b>Mr. Sajjad Ali</b> , Department of Botany, Bacha Khan University, Charsadda, Pakistan
16:40	Development and nutritional evaluation of low calorie cookies fortified with date paste ( <i>Phoenix dactylifera</i> . L). <b>Ms. Farheena Iftikhar</b> , Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu and Kashmir
16:55	Food allergies – Causes and symptoms <b>Ms. Uzma Altaf</b> , Division of Food Science and Technology, Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu and Kashmir
17:10	<b>Tea Break/Posters Presentation</b>
19:00	<b>Cultural Show</b> at Main Auditorium of University

**Main Seminar Room****Technical Session-I****Pre and Postharvest Techniques for Horticultural Crops****Chair: Dr. Abdul Rab**

The University of Agriculture, Peshawar, Pakistan

**Co-Chair: Dr. Khalid Mehmood Qureshi**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

<b>Time Hours</b>	<b>Coordinator:</b> Dr. Shahid J. Butt, Assistant Professor Horticulture, PMAS-AAUR. Facilitator: Mr. Rizwan Rafique, Ms. Riffat Ayesha, PhD Scholars Horticulture, PMAS-AAUR
<b>09:00</b>	Controlled atmosphere storage delays pericarp browning, inhibits lipid peroxidation and maintains antioxidative activities of litchi fruit <b>Dr. Ahmad Sattar Khan</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
<b>09:15</b>	Effect of chitosan based coatings on nutritional quality and storability of kinnow mandarin ( <i>Citrus raticulata</i> .) cv NIAB kinnow <b>Dr. Ehsan Ullah Khan</b> , Nuclear Institute for Agriculture & Biology, Faisalabad, Pakistan
<b>09:30</b>	Post harvest shelf life of potato genotypes/varieties during ambient and cold storage <b>Dr. Ghulam Abbas</b> , Department of Agriculture Research, Gilgit-Baltistan, Pakistan
<b>09:45</b>	Fortification of chitosan based coating with calcium and ascorbic acid increases cold storage life of low-chilling strawberry cultivar fruits <b>Dr. Shahzad Saleem</b> , Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan
<b>10:00</b>	Harvest location, cultivar and storage duration influence postharvest fruit quality, softening and anti-oxidative enzymes activities of peach <b>Dr. Sami Ullah</b> , Department of Horticulture, MNS University of Agriculture, Multan, Pakistan
<b>10:15</b>	Foliar application of oxalic acid improves fruit quality of strawberry <b>Dr. Raheel Anwar</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
<b>10:30</b>	Advances in quality and shelf life of fresh grapes with edible coatings <b>Dr. Syed Abdul Sadiq</b> , Baluchistan Agriculture College Quetta, Pakistan
<b>10:45</b>	Comparison between alginate, aloe vera and chitosan edible coatings for maintaining biochemical and nutritional profile of stored strawberry fruits <b>Mr. Jahanzaib Qamar</b> , Department of Horticulture, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan Pakistan
<b>11:00</b>	<b>Tea Break/Posters Presentation</b>



<b>Technical Session-II</b>	
<b>Pre and Postharvest Techniques for Horticultural Crops</b>	
<b>Chair: Prof. Dr. Ishtiaq Ahmad Rajwana</b> Department of Horticulture, MNS University of Agriculture, Multan <b>Co-Chair: Dr. Anwaar Ahmed</b> PMAS-Arid Agriculture University, Rawalpindi- Pakistan	
<b>Time Hours</b>	<b>Coordinator:</b> Dr. Shahid J. Butt, Assistant Professor Horticulture, PMAS-AAUR. Facilitator: Mr. Rizwan Rafique, Ms. Riffat Ayesha, PhD Scholars Horticulture, PMAS-AAUR
<b>11:30</b>	Post-harvest exogenous application of various bacterial strains improves the longevity in cut tulips ( <i>Tulipa gesneriana</i> L.) <b>Mr. Mohsin Bashir</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
<b>11:45</b>	Fruit softening and phytochemical changes of 'samar bahisht chaunsa' mango under different storage temperature regimes <b>Mr. Kashif Razzaq</b> , Department of Horticulture, MNS University of Agriculture, Multan, Pakistan
<b>12:00</b>	Effect of storage time interval on the quality of virgin olive oil extracted at different fruit maturity levels <b>Mr. Atta Ullah</b> , Department of Agricultural Chemistry, The University of Agriculture, Peshawar, Pakistan
<b>12:15</b>	Influence of hexanal vapor on the storage life and pericarp browning in litchi cv. 'gola' fruit <b>Dr. Muhammad Shafique</b> , Department of Horticulture, Ghazi University, Dera Ghazi Khan, Pakistan
<b>12:30</b>	Minor fruits to address poor nutritional problems under changing climate scenario <b>Dr. Mehdi Maqbool</b> , Department of Horticulture, University of Poonch, Rawalakot, Azad Jammu & Kashmir, Pakistan
<b>12:45</b>	Calcium, boron and zinc foliar application depress physiological disorder and improve tomato fruit quality and yield <b>Ms. Bibi Haleema</b> , Agriculture Research Institute, Tarnab, Peshawar, Pakistan
<b>13:00</b>	<b>Lunch and Prayer Break</b>

<b>Technical Session-III</b>	
<b>Processing Techniques and Value Addition of Horticultural Crops</b>	
<b>Chair: Dr. Fazal Rehman</b> Department of Agriculture Research ,Gilgit Baltistan <b>Co-Chair: Prof. Dr. Asif Ahmad</b> PMAS-Arid Agriculture University, Rawalpindi, Pakistan	
<b>Time Hours</b>	<b>Coordinator:</b> Dr. Shahid J. Butt, Assistant Professor Horticulture, PMAS-AAUR. Facilitator: Mr. Rizwan Rafique, Ms. Riffat Ayesha, PhD Scholars Horticulture, PMAS-AAUR

<b>14:00</b>	Electrolyzed water for the preservation of fresh cut fruits <b>Dr. Anwaar Ahmed</b> , Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>14:20</b>	Physico-chemical attributes of dried Indian jujube fruits as affected by different drying methods <b>Mr. Riaz Ahmad</b> , Department of Horticulture, Bahauddin Zakariya University, Multan, Pakistan
<b>14:40</b>	Development of different value added products from wild mulberry of Gilgit-Baltistan, Pakistan <b>Dr. Sartaj Ali</b> , Department of Agriculture and Food Technology, Karakoram International University Gilgit, Gilgit-Baltistan, Pakistan
<b>15:00</b>	Effect of chemical preservatives on shelf life and quality of olive pickle <b>Mr. Muhammad Ashraf Sumrah</b> , Barani Agricultural Research Institute, Chakwal, Pakistan
<b>15:20</b>	Comparison of apple drying methods <b>Mr. Nasar Amjad</b> , Institute of Horticultural Sciences, University of Agriculture Faisalabad, Pakistan
<b>15:40</b>	Role of Biotechnology in Food Processing Industry <b>Ms. Syed Aafia Ishrat</b> , Division of Food Science and Technology, Sher-i-Kashmir University of Agricultural Sciences and Technology, Jammu and Kashmir
<b>16:00</b>	<b>Tea Break/Posters Presentation</b>
<b>19:00</b>	<b>Cultural Show</b> at Main Auditorium of University

**27<sup>th</sup> April, 2018**

**UIBB Seminar Room**

**Technical Session-I**

**Biotechnology for Improvement of Horticultural Crops**

**Chair: Prof. Dr. Muhammad Mukhtar**

Universiti Malaysia Pahang, Lebuhraya Tun Razak Gambang, Pahang Darul-Makmur, Malaysia

**Co-Chair: Dr. Ghazala Kaukab**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

<b>Time Hours</b>	<b>Coordinator:</b> Ms. Ismara Naseem, Lecturer IHA, PMAS-AAUR. <b>Facilitator:</b> Ms. Qudsia Saeed, PhD Scholar, Ms. Ruby Iqbal M.Sc (Hons) Horticulture Student, PMAS-AAUR
<b>09:00</b>	QTL analysis of dormancy in a diploid potato micro-tuber population <b>Dr. Raja Mohib Muazzam Naz</b> , National Center of Vegetable Improvement (Central China), Huazhong Agricultural University, Wuhan, P. R. China
<b>09:15</b>	Isolation of mesophyll protoplasts to study the DNA integrity of olive ( <i>Olea europaea</i> L.) cvs exposed to X-rays irradiation to produce diploid and tetraploid mutated plants <i>in-vivo</i> <b>Mr. Muhammad Ajmal Bashir</b> , Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan

09:30	Morphological and molecular characterization of pistacia from Chiltan National Park Hazarganji Balochistan. <b>Dr. Shazia Saeed</b> , Department of Botany, University of Baluchistan Quetta, Pakistan
09:45	Transcriptomic analysis and comparison of genes and biological networks involved in grapevine fruit and leaf development <b>Dr. Tariq Pervaiz</b> , Department of Agriculture and Food Technology, Karakoram International University, Gilgit, Pakistan
10:00	Molecular characterization of randomly selected members of <i>Solanaceae</i> family on the basis of DNA inventories. <b>Mr. Fahad Razaq</b> , Department of Biotechnology, Balochistan University of Information Technology, Engineering and Management Sciences, Quetta, Pakistan
10:15	Intraspecific barcodes in locally grown apple cultivars of Balochistan <b>Ms. Samina Rehman</b> , Department of Biotechnology, Balochistan University of Information Technology, Engineering and Management Sciences, Quetta, Balochistan, Pakistan
10:30	Potential application of molecular markers in improvement of vegetable crops. <b>Ms. Nighat Mushtaq</b> , Division of Vegetable Science, Sher-e-Kashmir University of Agricultural Sciences And Technology, Jammu and Kashmir
10:45	<b>Tea Break/Posters Presentation</b>

<b>Technical Session-II</b>	
<b>Seed Production and Nursery Certification System for Horticultural Crops</b>	
<b>Chair: Mr. Wim van Kester</b> PUM Senior Experts, The Hague, Netherlands	
<b>Co-Chair: Dr. Muhammad Javed Tareen</b> Baluchistan Agriculture Research, Quetta, Pakistan	
<b>Time Hours</b>	Coordinator: Dr. Muhammad Tariq Siddique, Associate Professor Soil Science, PMAS-AAUR. Facilitator: Mr. Mazhar Qayyum, PhD Scholar, Ms. Hafiza Sana Riaz, M.Sc (Hons) Horticulture Student, PMAS-AAUR
11:15	Production of certified fruit plants in Khyber Pakhtunkhwa <b>Dr. Abdul Rab</b> , Department of Horticulture, The University of Agriculture, Peshawar, Pakistan
11:40	Potential of healthy seed potato production in Gilgit Baltistan <b>Dr. Fazal Rehman</b> , Department of Agriculture Research Gilgit Baltistan, Pakistan
12:05	Effect of sowing dates, bacterial strains and foliar application of potassium nitrate on yield and quality of fenugreek seed <b>Dr. Khurram Ziaf</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
12:25	Correlation between true seed and tuber dormancy in a <i>Solanum tuberosum</i> group phureja × stenotomum population <b>Mr. Muhammad Waseem Haider</b> , Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan
12:45	<b>Lunch and Prayer Break</b>

**Main Seminar Room****Technical Session-I****Insect and Disease Management of Horticultural Crops****Chair: Prof. Dr. Ghulam Sarwar Markhand**

Date Palm Research Institute, Shah Abdul Latif University, Khairpur, Pakistan

**Co-Chair: Prof. Dr. Ata ul Mohsin**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

<b>Time Hours</b>	<b>Coordinator:</b> Dr. Badar Naseem Siddique, Associate Professor Agri. Extension, PMAS-AAUR. Facilitator: Mr. Naeem Akhtar, PhD scholar, Mr. Arif Hussain B.Sc (Hons) Horticulture Student, PMAS-AAUR
<b>09:00</b>	Integrated management of fruit flies <i>Bactrocera</i> sp. (Diptera: <i>tephritidae</i> ) infesting mango ( <i>Mangifera indica</i> ) in Pakistan <b>Mr. Khalid Abdullah</b> , Ministry of Textile Industry, Islamabad, Pakistan
<b>09:15</b>	Toxicity of selected insecticides and botanicals against citrus mealybug <i>Planococcus citri</i> in controlled laboratory conditions <b>Ms. Rehana Bibi</b> , Department of Entomology, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>09:30</b>	Evaluation of environment friendly botanical pesticides to suppress citrus mites and thrips population in order to manage kinnow mandrin fruit blemishes. <b>Mr. Muhammad Aftab</b> , Department of Horticulture, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>09:45</b>	Environment friendly management of fruit fly in fruits and vegetables <b>Mr. Muhammad Salman</b> , Nuclear Institute for Food & Agriculture, Peshawar, Pakistan
<b>10:00</b>	Bio-pesticides: A way forward to safe agriculture <b>Ms. Shifa</b> , Division of Entomology, Sher-i-Kashmir University of Agricultural Sciences and Technology, Jammu and Kashmir
<b>10:15</b>	Morpho-molecular characterization of <i>Colletotrichum capsici</i> isolates associated with chilli anthracnose pathogen recovered from major chilli growing areas of the Punjab, Pakistan <b>Dr. Abid Riaz</b> , Department of Plant Pathology, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>10:30</b>	Unlocking the potential of transcriptional gene silencing based resistance bullets against chilli leaf curl viral disease complex <b>Dr. Muhammad Shafiq</b> , Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan
<b>10:45</b>	Nucleotide evidence of potato virus Y for Cp mediated resistance in potato crop of Pakistan <b>Mr. Muhammad Fahim Abbas</b> , Department of Plant Pathology, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
<b>11:00</b>	<b>Tea Break/Posters Presentation</b>

## Technical Session-II

### Insect and Disease Management of Horticultural Crops

**Chair: Prof. Dr. Jamil Ahmad**

The University of Poonch, Rawalakot, Azad Jammu & Kashmir

**Co-Chair: Prof. Dr. Ch. Abdul Rauf**

PMAS-Arid Agriculture University, Rawalpindi, Pakistan

Time Hours	Coordinator: Dr. Badar Naseem Siddique, Associate Professor Agri. Extension, PMAS-AAUR. Facilitator: Mr. Naeem Akhtar, PhD scholar, Mr. Arif Hussain B.Sc (Hons) Horticulture Student, PMAS-AAUR
11:30	Fungicidal activity of crop and wasteland weeds against <i>Myrothecium roridum</i> Tode associated with <i>Myrothecium</i> leaf spot disease of <i>Momordica charantia</i> L. (bitter gourd) <b>Dr. Salik Nawaz Khan</b> , Institute of Agricultural Sciences, Quaid-E-Azam Campus, University of the Punjab, Lahore.
11:45	Non-Chemical Control of Collar Rot of Bell Pepper <b>Dr. Arshad Javaid</b> , Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan
12:00	Current status and genetic variability of <i>Chilli veinial mottle virus</i> and its management using PDR approach <b>Dr. Muhammad Ashfaq</b> , Department of Plant Pathology, PMAS-Arid Agriculture University Rawalpindi, Pakistan
12:15	Distribution spectra of <i>Pythium</i> and <i>Phytophthora</i> spp. associated with chili and tomato in Pothwar region of Pakistan . <b>Ms. Sehrish Saba</b> , Department of Plant Pathology, PMAS-Arid Agriculture University, Rawalpindi, Pakistan
12:30	Evaluation of rhizobacterial potential against bacterial canker disease in stone fruits of Khyber Pakhtoonkhwa Pakistan. <b>Ms. Shagufta Bibi</b> , Department of Plant Pathology, PMAS-Arid Agriculture University Rawalpindi, Pakistan.
12:45	<b>Lunch and Prayer Break</b>

## Concluding Session 27<sup>th</sup> April, 2018

### Main Auditorium of University

Time Hours	Coordinator: Dr. Muhammad Tariq Siddique, Associate Professor Soil Science, PMAS-AAUR. Facilitator: Mr. Mazhar Qayyum, PhD Scholar, Ms. Hafiza Sana Riaz, M.Sc (Hons) Horticulture Student, PMAS-AAUR
14:15	Guests to be seated
14:20	Arrival of the Chief Guest
14:25	Recitation from the Holy Quran and Naat-e-Rasool-e-Maqbool (PBUH)
14:35	Recommendation of Conference by <b>Prof. Dr. Nadeem Akhtar Abbasi</b> , Dean, FC & FS PMAS-AAUR
10:45	Address by <b>Prof. Dr. Sarwat N. Mirz</b> Vice Chancellor, PMAS-AAUR
14:55	Distribution of shields/ certificates
15:15	Concluding Address by the Chief Guest
15:25	Vote of thanks by <b>Prof. Dr. Ishfaq ahmed Hafiz</b> Chairman Department of Horticulture, PMAS-AAUR
15:35	Refreshment

## Organizing Committee IHCPAK 2018

- Prof. Dr. Sarwat Naz Mirza, Vice Chancellor, PMAS-Arid Agriculture University Rawalpindi (Patron in Chief)
- Prof. Dr. Nadeem Akhtar Abbasi Dean, FC&FS PMAS-AAUR (Principal Organizer/Convener)
- Prof. Dr. Ishfaq Ahmad Hafiz, Chairman Horticulture, PMAS-AAUR (Secretary Conference)
- Dr. Touqeer Ahmad, Assistant Professor Horticulture, PMAS-AAUR (Conference Coordinator)
- Dr. Abdul A. Qureshi, Lecturer Horticulture, PMAS-AAUR (Associate Secretary Conference)
- Prof. Dr. M. Amjad , Dean Faculty of Agriculture, University of Agriculture Faisalabad
- Prof. Dr. Amanullah Malik, Director Institute of Horticulture Sciences, UAF
- Prof. Dr. M. Jaffar Jaskani, IHS UAF/ Finance Secretary PSHA
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- Dr. Fazal Rehman, Director Agriculture, Gilgit, GB
- Dr. Khalid M. Qureshi, Associate Professor Horticulture, PMAS-AAUR
- Dr. Shahid J. Butt, Assistant Professor Horticulture, PMAS-AAUR
- Ms. Najma Yousaf Zahid, Assistant Professor Horticulture, PMAS-AAUR
- Dr. Imran Hassan, Assistant Professor Horticulture, PMAS-AAUR
- Dr. M. Azam Khan, Assistant Professor Horticulture, PMAS-AAUR
- Dr. Irfan Ali, Lecturer Horticulture, PMAS-AAUR
- Mr. Usman S. Qureshi, Lecturer Horticulture, PMAS-AAUR