



جامعة السلطان قابوس
Sultan Qaboos University

1st ICPP

First International Conference on:

Plant Protection

5 - 7
December



المؤتمر الدولي الأول لوقاية النبات ٧-٥ ديسمبر ٢٠٢٢

Venue: Sultan Qaboos University,
Conference Hall

CONFERENCE PROGRAM



College of Agricultural and Marine Sciences



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DAY 1

**Monday,
5 December 2022**

First Day: Monday, 5 December 2022

OPENING CEREMONY

7:30-8:45	Registration
8:45-9:45	Inaugural Technical session
	Building resilience to vector-borne plant pathogens via studying insect vectors. Saskia Hogenhout (keynote address) , Department of Crop Genetics, John Innes Centre, Norwich Research Park, Norwich, NR4 7UH, UK
9:45-10:30	Tea Break

	Technical session 1: Insect pests and their control Room: Conference Hall Chairperson: Dr. Saskia Hogenhout	Technical session 2: Plant viral diseases Room: Lecture Theater 1 Chairperson: Dr. Muhammad Shafiq
10:30 - 11:00	Arthropod diversity as protection against outbreaks of insect pests. Stephen Venn , Department of Invertebrate Zoology & Hydrobiology, Faculty of Biology & Environmental Protection, University of Łódź, Banacha, Poland.	Plant DNA viruses their impact and control strategies. Imran Amin (keynote speaker), National Institute for Biotechnology and Genetic Engineering (NIBGE), Jhang Road Faisalabad, Pakistan
11:00 - 11:20	Abu Dhabi efforts in date palm trees pests' control. Mohamed Naser Al Hashmi , Technical Services Division, Abu Dhabi Agriculture & Food Safety Authority, Abu Dhabi, UAE.	Association of multiple begomoviruses with leaf curl disease of papaya trees in Kingdom of Saudi Arabia. Mohammed A. Al-Saleh , Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Saudi Arabia.
11:20 - 11:40	Fruit Flies and their Management in Oman: Research Experience since 2004. Dr. Ali Al-Wahaibi , Department of plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman	Production virus free plants of grapes and potato by meristem culture from infected plants. Khalil Al-Maarri , Horticultural Department, Faculty of Agriculture, Damascus University, Syria

11:40 - 12:00	Management of Fruit flies through Chemosterilant Bait and Microbial Natural Pesticides (MNP). Shafqat Saeed , MNS University of Agriculture, Multan, Pakistan	Biological, serological and molecular characterization of Algerian PVY isolates. Linda Allala-Messaoudi , École Nationale Supérieure Agronomique, Algérie
12:00 - 01:00	Lunch and Prayer Break (Knowledge Hall)	
01:00 - 01:30	Poster Technical session	
	Technical session 3: Characterization and management of Fungal diseases Room: Conference Hall Chairperson: Dr. Velazhahan Rethinasamy	Technical session 4: Biological control of insect pests Room: Lecture Theater 1 Chairperson: Dr. Stephen Venn and Dr. Ali Al-wahaibi
1:30 - 2:00	Selection of available mango germplasm and screening for resistance/tolerance against <i>Ceratocystis manginecans</i> . Ali Al Adawi , Ghadafan Agriculture Research Station, Department of agriculture research in North Al-Batinah governorate, Ministry of Agriculture, Fisheries and Water Resources, Sultanate of Oman	Biological control in Oman: Applications and potentials. Mahmood Saleh Ali Al-Ansari Director of Nurseries and Plant Protection, Royal Courts Affairs, Oman
2:00 - 2:20	Isolation, identification, and application of actinobacterial strains for controlling sudden decline syndrome (SDS) of date palm in UAE. Khawla J. Alwahshi , Research Station Section, Abu Dhabi Agriculture and Food Safety Authority, Abu Dhabi, United Arab Emirates	Neem oil encapsulated chitosan nanoparticles on the toxicity, feeding and reproductive physiology of cotton bollworm <i>Helicoverpa armigera</i> . Kadarkarai Murugan , Department of Zoology, School of Life Sciences, Bharathiar University, Tamil Nadu, India
2:20 - 2:40	Pathogenicity and genetic diversity of <i>Pythium</i> species associated with damping-off of cucumbers in Oman. Issa Hashil Al-Mahmooli , Department of plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman	Nano-emulsified Clove oil on fumigant toxicity and as pulse protectant against stored. Naser Ahmad Hamad Alknani , Department of Biological Sciences, Faculty of Science, King Abdul-Aziz University, Jeddah, Saudi Arabia.

2:40 - 3:00	Management of <i>Fusarium oxysporum</i> f. sp. cubense associated with Banana Wilt Disease in Oman. Saif Al Kaabi , Ghadafan Agriculture Research Station, Department of agriculture research in North Al-Batinah governate, Ministry of Agriculture, Fisheries and Water Resources, Sultanate of Oman	Effect of aqueous extract of hanzal (<i>Citrullus colocynthis</i> (L.)) Senemeka (<i>Senna alexandrina</i> Mill) and Ummjelajel (<i>Aristolochia bracteolata</i> L.) on the leaf miners (<i>Liriomyza</i> spp.) on the Snake Melon Crop. Faiza E. E. Salah , Faculty of Agricultural Sciences .University of Gezira, Sudan
3:00 - 3:20	Understanding Pyrenophora tritici repentis-wheat pathosystem in Algeria for best management strategy involving host resistance under an integrated disease management strategy. Hamida Benslimane , Department of Botanic, National High college of Agriculture (Ecole Nationale Supérieure Agronomique), Algiers, Algeria.	Improving seed treatment methods: A key factor to reduce the risk to Honeybees and other pollinators to maintain biodiversity. Hayder Abdelgader , Director Integrated Pest Management of Agricultural Pests Agricultural Research Corporation, Wad Medani, Sudan
3:20 - 4:00	Tea> End of Technical sessions	
7:00 - 9:00	Conference dinner (Holliday Inn Hotel)	



DAY 2

**Tuesday,
6 December 2022**

Second Day: Tuesday, 6 December 2022

	Technical session 5: Biological control of postharvest pathogens Room: Conference Hall Chairperson: Dr. Iqrar Khan and Dr. Mumtaz Khan	Technical session 6: Biotechnology and Resistance in plant protection Room: Lecture Theater 1 Chairperson: Dr. Imran Amin and Asekova Sovetgul
8:30 - 9:00	<p>Scent of a killer: microbial volatolome and the biological control of postharvest fungi.</p> <p>Quirico Migheli (keynote speaker), Department of Agricultural Sciences and NRD – Desertification Research Centre, University of Sassari, Viale Italia, Sassari, Italy</p>	<p>Nano-enabled approaches for sustainable crop protection.</p> <p>Temoor Ahmed (keynote speaker), Institute of Biotechnology, Zhejiang University, Hangzhou 310058, China</p>
9:00 - 9:20	<p>Successful testing and development of bio-fungicide product for the management of mango sudden death disease.</p> <p>Muhammad Arslan Khan, MNS University of Agriculture, Multan, Pakistan</p>	<p>Genome-wide identification and characterization of WRKY transcription factor gene family in Citrus reticulata and its response against various biotic and abiotic stresses.</p> <p>Muhammad Shafiq, Department of Horticulture, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan</p>
9:20 - 9:40	<p>Efficacy of Pre-Harvest Application of Epiphytic Yeast <i>Meyerozyma Guilliermondii</i> Squcc-33y and Tamarindus Indica Leaf Extract on Alternaria Alternata- Induced Postharvest Fruit Rot of Tomato.</p> <p>Samiya Al Maawaliala, Sultan Qaboos University, Oman</p>	<p>Molecular approaches associated with resistance in crop plants: Markers and Transcriptome - Proteomics Strategies and Applications.</p> <p>Mehdi Nasr-Esfahani, Plant Protection Research Department, Esfahan Agriculture and Natural Resource Research and Education Center, Esfahan, AREEO, Iran.</p>

9:40 - 10:00	Efficiency of <i>Citrullus colocynthis</i> as applicable inhibitor of certain fungi associated with date fruits and its relation with climate change. Mohamed Abdelmonem Hussein , Aswan University, Aswan, Egypt	Cryopreservation and in vitro conservation of virus free plant genetic resources and species tolerant to biotic and abiotic stresses. Thuraya Abouzedan , National Commission for Biotechnology, Syria
10:00 - 10:20	Antifungal activity against <i>Aspergillus flavus</i> and aflatoxin B1 detoxification potential of Omani medicinal plants. Rethinasamy Velazhahan , Department of Plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman	Characterization of fruit flies (Diptera: <i>Tephritidae</i>) present in Oman. Sara Mohamed Al Ansari , Department of plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman
10:20 - 10:50	Tea Break	
Technical session 7: Biological control Room: Conference Hall Chairperson: Dr. Shameer K.S and Dr. Velazhahan Rethinasamy		Technical session 8: Weed Science and Soil Health Room: Lecture Theater 1 Chairperson: Dr. Mehdi Nasr-Esfahani
10:50 - 11:10	Comparative toxicity of bio-rational insecticides against the red flour beetle <i>Tribolium castaneum</i> and the rusty grain beetle <i>Cryptolestes ferrugineus</i> . Hafiz Azhar Ali , Institute of Agricultural Sciences, University of the Punjab, Pakistan	The role of allelopathy in organic weed management in field crops. Zahid Ata Cheema , Department of Agronomy, University of Agriculture, Faisalabad-38040, Pakistan
11:10 - 11:30	Suppressive activities of newly synthesized fungicides against plant pathogenic fungi. Omar Al-Sudairy , Department of plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman	Impact of invasive plant species on the livelihoods of farming households: evidence from <i>Parthenium</i> weed invasion in Dhofar, Oman. Muhammad Farooq , Department of plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman

11:30 - 11:50	Biocontrol susceptibility of bio-surfactants against common plant and food pathogens. Maysoon Nedham Awadh , Department of Biology, College of Science, University of Bahrain	Long-term impact of conservation tillage and residue management on soil biological indicators in rice-wheat cropping system of Pakistan. Sajid Ali , Department of Agronomy, University of the Punjab, Lahore, Pakistan
11:50 - 12:10	Sodium alginate coating incorporated with pomegranate peel extract extending the shelf life and keeping quality of strawberry. Mehdi Hosseinifarahi , Islamic Azad University, Iran	Compost produced from the leachate of the landfill and alkaline lime sludge for soils amendment and plant protection. Khalid FARES , Laboratory of Pharmacology, Neurobiology, Anthropobiology and Environment, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco
12:10 - 12:30	Role of some safe compounds in controlling root rot and seedlings production of Artichoke. Fatma, A. Mostafa , Plant Pathology Research Institute, Agricultural Research Center 12619, Giza, Egypt	Repellent and oviposition deterrent effects of some wild plants against peach fruit fly, <i>Bactrocera zonata</i> (Saunders). Muhammad Binyameen , Bahauddin, Zakariya University, Pakistan
12:30 - 1:30	Lunch and Pray Break (Knowledge Hall)	
1:30 - 2:00	Poster Technical session	
	Technical session 9: Characterization and management of bacterial and nematode diseases Room: Conference Hall Chairperson: Dr. Temoor Ahmed and Dr. Rhonda Janke	Technical session 10: General topics Room: Lecture Theater 1 Chairperson: Dr. Muhammad Farooq and Dr. Amna-Al-Ruheili
2:00 - 2:20	Flyash and Biochar induced defense response activation against bacterial leaf spot in chilies. Adnan Akhtar , Department of plant pathology, University of the Punjab, Pakistan	Food webs and date palm agro-ecological community characteristics. Shameer K.S. , Department of Agriculture, Faculty of Agriculture and Forestry, Viikki Campus, University of Helsinki, Finland

2:20 - 2:40	Natural escalation of Pectobacterium soft-rot disease by <i>Pseudomonas azotoformans</i> ; a carrot Endophytic bacterium Fatemeh Ansari , University of Tabriz, Iran	Diversity and population dynamics of spiders in cotton fields. Muhammad Tahir , Department of Zoology, Government College University Lahore Pakistan
2:40 - 3:00	Status of Bacteriophages in modern agriculture and control of plant pathogenic bacteria in Iran Reza Khakvar , University of Tabriz, Iran	Cultivation of <i>Pleurotus ostreatus</i> on different agricultural residues. Waheed Anwar , Department of Plant Pathology, University of the Punjab, Lahore, Pakistan
3:00 - 3:20	The efficacy of Abamectin insecticide product by Gyah Corporation as a nematocide for Root-Knot Nematodes management. Shiva Mardani , Department of Plant pathology, Agricultural Faculty, University of Shahr-e-Kord, Iran	Mushroom biodiversity in Oman. Shah Hussain , Department of Plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman
3:20 - 3:40	Epidemiological markers against <i>Xanthomonas citri</i> pv. <i>citri</i> : A potential threat to global citrus industry. Akhtar Hameed , MNS-University of Agriculture,Pakistan	"I regret to inform you": Editor's tips to avoid journal rejection. Quirico Migheli , Department of Agricultural Sciences and NRD – Desertification Research Centre, University of Sassari, Viale Italia, Sassari, Italy
3:40 - 4:00	Analysis of volatile organic compounds produced by antagonistic bacteria isolated from biofumigated soil. Dhuha Sulaiman Salim Al-Daghari , Department of Plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman	
4:00 - 4:45	Closing ceremony> Tea> end of day	
Wednesday, 7 December 2022		
8:00 - 12:00	Muscat city trip	

Posters

Posters should be placed on the poster stands on Monday 5 December 2022 until evening (Tuesday 6 December 2022)

NO	Poster title
P1	New Record of <i>Aphanogmus clavicornis</i> Thomson (Hymenoptera: <i>Ceraphronidae</i>) as a Larval Parasitoid of Tomato Leafminer <i>Tuta absoluta</i> (Meyrick) in Syria. Rawa Yousaf Tishreen University, Latakia, Syria
P2	Develop a Low Cost Simple Attractants Food Lure for Fruit Fly, <i>Bactrocera zonata</i> (Saunders). Safa Musaed , Abu Dhabi Agriculture & Food Safety Authority, UAE
P3	Assessment Of Effective Pesticides Against Tephritid Fruit Flies (diptera: <i>Tephritidae</i>) And Their Increasing Invasion Potential Of In Temperate Regions Of Pakistan. Naila Nazir , University of Poonch Rawalakot, Pakistan
P4	The Effect of Potassium Chloride on the Germination of <i>Oryza sativa</i> L. Seeds. Arshad Ali , Sultan Qaboos University, Oman
P5	Effect of Aqueous Extract of Hanzal (<i>Citrullus coloyntis</i> (L.)) Senemeka (<i>Senna alexandrina</i> Mill) and Ummjelajel (<i>Aristolochia bracteolate</i> L.) on the leaf miners (<i>Liriomyza</i> spp.) on the Snake Melon Crop. Faiza E. E. Salah , University of Gezira , Sudan
P6	Iranian tea (<i>Camellia sinensis</i>) seed powder: as a potential pesticide/fertilizer products to improve plant growth. Ehsan Kahneh , Horticultural Science Research Institute, AREEO, Iran
P7	Artificial microRNA-mediated resistance against Oman strain of tomato yellow leaf curl virus. Maha R. Al-Roshdi , Department of Plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman
P8	Role of some safe compounds in controlling root rot and seedlings production of Artichoke. Fatma, A. Mostafa , Agricultural Research Center, Giza, Egypt
P9	Innovative process of using a metallophyte plant "Brassica sp." for the determination of atmospheric pollution in an urban area. Azeddine Sedki , Trace elements for UNESCO-Institute, Morocco
P10	Using Bioengineering Approaches To Express Halophyte Genes That Enhance Salt Tolerance Gene Expression In Tobacco. Mona Ali Al-Bloushi , Ministry of Municipality and Environment, Qatar
P11	Isolation and Diagnose of fungi causing spots and Blights leaves diseases of date palm <i>Phoenix. dactlifera</i> L in Sirte, Libya. Farhat Ali , University of Azen- than, Libya
P12	Molecular characterization of <i>Penicillium ulaiense</i> causing whisker mold a new postharvest threat to citrus of Pakistan. Muhammad Nasir Subhani , Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan
P13	Anti-insects potentialities of the the Algerian saharian plant <i>Euphorbia guyoniana</i> (<i>Euphorbiaceae</i>) against <i>Tribolium castaneum</i> (Coleoptera: <i>tenebrionidae</i>). Fatma ACHEUK , Université de Boumerdes, Algeria

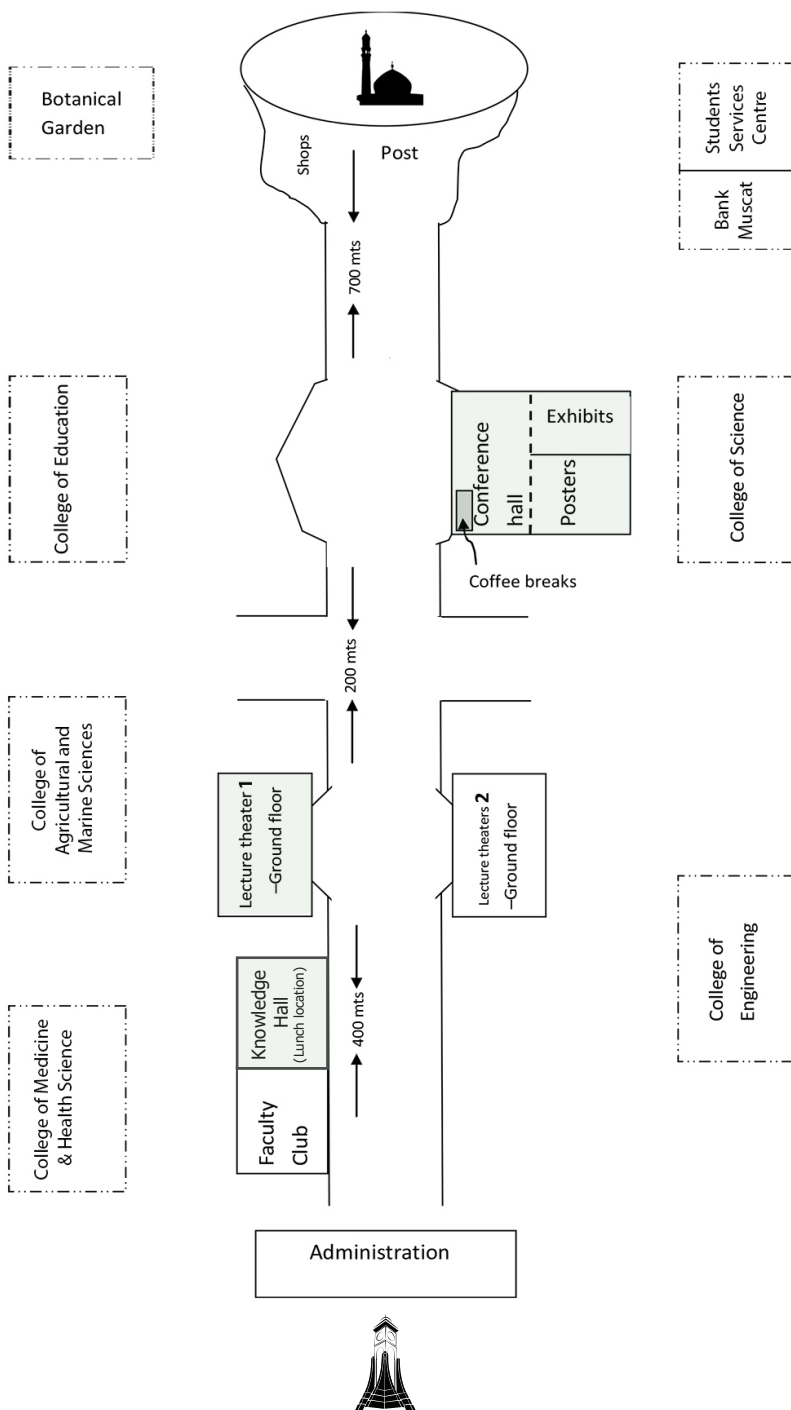
P14	New report of <i>Bacillus thuringiensis</i> var. <i>Tenebrionis</i> infected apricot stem borer larvae Sphenoptera <i>Dhia-ahmedi</i> cobos in Shaqlawa /erbil province northern of Iraq. Jasim Khalf , Plant Protection Department, Iraq
P15	Tomato Blight Management with Organic Soil Biochar Amendment. Karamat Ali Zohaib , University of the Punjab, Pakistan
P16	Pathogenicity of three entomopathogenic fungi, to the aphid species, <i>Aphis fabae</i> Scopoli (Hemiptera: <i>Aphididae</i>). Ouided Abdelaziz , Constantine 1 University, Algeria
P17	New technology and integrative approaches for identification of plant pathogens. Mehrdad Madani , University of Manitoba, Canada
P18	The Ribosomal Intergenic Spacer (IGS) in the potato and tobacco cyst nematodes, <i>Globodera pallida</i> , <i>G. rostochiensis</i> and <i>G. tabacum</i> . Mehrdad Madani , University of Manitoba, Canada
P19	Top ten plant parasitic nematodes of economic importance in Arid and semi Arid area, threatening green house and field crops. Mehrdad Madani , University of Manitoba, Canada
P20	Comparing the effects of different types of pesticides on plant growth. Laial Ashraf Ahmed El-Baesy , Sultan Qaboos University, Oman
P21	The presence of tobacco whitefly <i>Bemisia tabaci</i> (gennadius), and onion thrips <i>tabaci</i> (lindquist) on different cucumber plant cultivars in the field conditions. Qasim Ahmed , University of Baghdad, Iraq
P22	Citrus tristeza virus: occurrence in Tunisia orchards and the use of tolerant rootstocks as a mean of control. Asma najar , Carthage University, Tunisia
P23	The effects of some <i>Beauveria bassiana</i> isolates and their secondary metabolites on the tea mealy bug, <i>Pseudococcus viburni</i> Sigornet (Hemiptera: <i>Pseudococcidae</i>). Samar Ramzi , Horticultural Science Research Institute, AREEO, Iran
P24	Yield losses and economic impact of <i>Pseudococcus viburni</i> (Hemiptera: <i>Pseudococcidae</i>) on Iranian tea (<i>Camellia sinensis</i>): a case study. Samar Ramzi , Horticultural Science Research Institute, AREEO, Iran
P25	Management of damping-off disease of chili caused by <i>Pythium aphanidermatum</i> using synthetic chemicals. Nasir Ahmed Rajput , University of Agriculture Faisalabad, Pakistan
P26	Semiochemical-based Strategies As A Promising Tool For Conservation Biological Control Agents. Mokhtar Abdulsattar , Ministry of Agriculture, Iraq
P27	Status of present and expected future spread of agricultural pests and their management in relation to climate changes. Abdul-Sattar A. Ali , Al-Anbar University, Iraq
P28	Use of a potential probiotic strain as a fermentation starter for the Tunisian olive variety "Meski". Nadia Chammem , Carthage University, Tunisia
P29	Contribution to the study of cereal nematodes of the Heterodera genus and their antagonists. Leila Bendifallah , University M'hamed Bougara of Boumerdes, Algeria

P30	Bioassay of Sudanese and Indian isolates of <i>Beauveria bassiana</i> (Balsamo) vuillemin onto adult of <i>Musca domestica</i> (Diptera: <i>Muscidae</i>), Maha Ali Abdalla Adam , University of Khartoum, Sudan
P31	Investigation the effect of CMC film including thyme essence in packaging on increasing shelf life and postharvest quality cherry fruit. Mehdi Hosseinifarahi , Islamic Azad University, Iran
P32	Grasshoppers and locusts species as agricultural pests in Constantine region, Eastern Algeria. Naima BENKENANA , University Frères Mentouri, Algeria.
P33	Nano-emulsified Clove Oil on fumigant toxicity and as Pulse protectant against stored. Naser Ahmad Hamad Alkenani , King Abdul-Aziz University, Saudi Arabia
P34	Surveillance of Huanglongbing disease (HLB) associated with citrus in North Al-Batinah governorates. Mohammed Al-Sadrani , Ministry of Agriculture, Fisheries and Water Resources, Sultanate of Oman
P35	Identification of <i>Fusarium</i> spp. associated with dry root diseases in Omani lime. Muna Al-Jabri , Ministry of Agriculture, Fisheries and Water Resources, Sultanate of Oman
P36	Screening for resistance and genetic population structure analysis associated with wheat to <i>Heterodera filipjevi</i> – Isfahan pathotype. Niloufar Abbasi , Islamic Azad University, Iran
P37	Chitinase of <i>Trichoderma longibrachiatum</i> for the control of <i>Aphis gossypii</i> . Hafsa Shafiq , University of the Punjab, Pakistan
P38	First report of four viruses in the genus potyviruses and carlavirus infecting the Omani Garlic Crop. Aisha Al-Ghaithi , Plant pathology researcher in Directorate General of Agricultural and Livestock, Oman
P39	Estimation of Potassium (K) Capacity in Relation to the Impact of Phosphorus (P) and Nitrogen (N) on the Pest Population in Brinjal (<i>Solanum Melongena</i>). Muhammad Bilal , Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan

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