



تونس - ACPP 2022 - Tunisia
PLANT HEALTH
For Secure and Safe Food
الصحة النباتية لغذاء آمن وسليم

المؤتمر العربي الثالث عتتر لعلوم وقاية النبات الحمامات ، تونس ، 16-21 تشرين الأول/أكتوبر 2022 13th Arab Congress of Plant Protection Hammamet, Tunisia, 16 - 21 October 2022



Congress Program برنامج المؤتمر

Organized by Arab Society for Plant Protection (ASPP)
& Ministry of Agriculture, Water Resources and Fisheries of Tunisia
Represented by National Institute of Agronomic Research of Tunisia (INRAT)



تنظيم الجمعية العربية لوقاية النبات
وزارة الفلاحة والموارد المائية والصيد البحري ، الجمهورية التونسية
ممثلة بالمعهد الوطني للبحوث الزراعية بتونس



الجمهورية التونسية
وزارة الفلاحة والموارد المائية والصيد البحري

Congress Program



13th Arab Congress of Plant Protection

Hammamet, Tunisia

16-21 October 2022

Organized by

Arab Society for Plant Protection (ASPP)

&

Ministry of Agriculture, Water Resources and Fisheries of Tunisia

Represented by

National Institute of Agronomic Research of Tunisia (INRAT)

13th Arab Congress of Plant Protection Committees

Honorary Committee

Dr. Mahmoud Elies Hamza	Minister of Agriculture, Water Resources and Fisheries of Tunisia
Dr. Hichem Ben Salem	DG of the Higher Agricultural Research & Education Institution, Tunisia.
Dr. Mondher Ben Salem	DG of the National Institute of Agricultural Research, Tunisia.
Dr. M. Lahbib Ben Jamâa	DG of the Plant Health and Control of Agricultural Inputs, Tunisia.
Dr. Ibrahim Al-Jboory	President of the Arab Society for Plant Protection, Iraq.
Dr. Bouzid Nasraoui	Vice President of the Arab Society for Plant Protection, Tunisia.

Congress Organizing Committee

Asma Najar (Chairperson)

Mondher Ben Salem	Naima Mahfoudhi	Thouraya Souissi
Mohamed Lahbib Ben Jamâa	Noura Omri	Ahmed Jemmali
Mejda Daami-Remadi	Ikbal Chaieb	Mohamed Ali Ben Abdallah
Hajer Ben Ghanem	Samia Gargouri	Hichem Aounallah
Sonia Bouhachem	Kaouthar Grissa-Lebdi	Riadh Gabsi

Sponsoring Committee

Hichem Aounallah	General Manager, BIOPROTECTION, Tunisia	Coordinator
Asma Najar	National Institute of Agricultural Research, Tunisia	Member
Mondher Ben Salem	DG of National Institute of Agricultural Research, Tunisia	Member
Mokhtar Mechichi	Technical Director of Mabrouka Company, Tunisia	Member
Naima Mahfoudhi	National Institute of Agricultural Research, Tunisia	Member
Hajer Ben Ghanem	National Institute of Agricultural Research, Tunisia	Member

Local logistics Committee

Asma Najar (Coordinator)

Hajer Ben Ghanem	Mourad Ouji	Hafedh Khlif
Naima Mahfoudhi	Zohra Chercheri	Kaouthar Ben Mahmoud
Olfa Bachrouh	Nissaf Mlayeh	Wafa Rouissi
Samia Gargouri	Manal Al Air	Noura Jemaii
Noura Omri	Radhia Amor	Samia Mghandef

Scientific Committee

Mejda Daami-Remadi (Tunisia - Coordinator)

Viral Diseases

Khaled Makkouk - Lebanon
Safaa Kumari - Syria
Imen Hamdi - Tunisia
Elia Choueiri - Lebanon

Asma Najar - Tunisia
Raed Abou Kubaa - Syria
Naima Mahfoudhi- Tunisia
Noureddine Rouag - Algeria

Fungal and Bacterial Diseases

Bouزيد Nasraoui - Tunisia
Mohamed Ali Triki - Tunisia
Mohamed Bechir Allagui - Tunisia
Sihem Ben Maachia - Tunisia
Mejda Daami-Remadi - Tunisia
Emad Al Maarouf - Iraq
Bochra El Bahri - Tunisia
Noura Omri - Tunisia
Hayfa Jabnoun-Khiareddine - Tunisia

Bassam Bayaa - Syria
Samia Gargouri - Tunisia
Abdelhamid Ramdani - Morocco
Naima Boughalleb M'Hamdi - Tunisia
Azza Rhaïem - Tunisia
Wafaa Rouissi - Tunisia
Amira Mougou - Tunisia
Houda Boureghda -Algeria
Zoulikha Krimi - Algeria

Nematodes

Najet Horrigue Raouani - Tunisia
Khalifa H. Dabaj – Libya

Mahfouz M.M. Abd-Elgawad - Egypt

Insects and Integrated Management

Sonia Bouhachem - Tunisia
Ahmad Katbeh - Jordan
Ikbal Chaieb - Tunisia
Mohamed Lahbib Ben Jamâa - Tunisia
Jouda Mediouni - Tunisia
Asma Laarif - Tunisia
Amel Ben Hamouda - Tunisia
Habiba Glida - Tunisia

Abdelsattar Aref Ali - Iraq
Mohamed Braham - Tunisia
Ibtissem Fekih - Tunisia
Olfa Bachrouch - Tunisia
Ahmed Al-Heneidi - Egypt
Sinda Boulehyia - Tunisia
Sabrine Attia - Tunisia

Mites

Ibrahim Al-Jboory - Iraq

Habiba Glida - Tunisia

Weed Control

Thouraya Souissi - Tunisia
Mustapha Haidar - Lebanon

Barakat Abu Irmaileh - Jordan
Nedjia Zerman - Algeria

Pesticides

M. El-Said El-Zemaity - Egypt

Hanène Chaabane - Tunisia

Executive Committee of the Arab Society for Plant Protection

Ibrahim Jboory	President	Iraq
Bouزيد Nasraoui	Vice-President	Tunisia
Mustapha Haidar	Secretary-Treasurer	Lebanon
Safaa Kumari	Member & Chairperson of Publications Committee	Syria
Ahmad Katbeh Badr	Member & Chairperson of Honors and Awards Committee	Jordan
Hassan F. Dahi	Member & Chairperson of Membership Committee	Egypt
Houda Bouregghda	Member & Chairperson of the Translation Committee	Algeria
Khaled Makkouk	Member & Editor-in-Chief of Arab Journal of Plant Protection	Lebanon
Asma Najjar	Member & Chairperson, 13 th ACPP Organizing Committee	Tunisia

Sponsors of the 13th Arab Congress of Plant Protection

Diamond Partner



The Islamic Development Bank is a multilateral development bank, working to improve the lives of those it serves by promoting social and economic development in Member countries and Muslim communities worldwide, delivering impact at scale. ISDB provides the infrastructure to enable people to lead better lives and achieve their full potential. In its missions IDB: (i) believes all people have the right to live in dignity and prosperity, and that nurturing economic growth is the best route out of poverty; (ii) equips people to drive their own economic and social progress at scale, putting the infrastructure in place to enable them to fulfil their potential; (iii) builds collaborative partnerships between communities and nations, across the public and private sectors; (iv) fosters innovative and sustainable solutions to the world's greatest development challenges, as it works towards the UN Sustainable Development Goals.

Gold Partners



**Food and Agriculture
Organization of the
United Nations**

FAO Regional Office for Near East and North Africa plays an active role in promoting "South-South cooperation" across Member Countries and in facilitating dialogue on regional issues and common transboundary challenges. Through a wide range of sectoral expertise, the Regional Office ensures a multi-disciplinary approach to field interventions. Expertise offered ranges from food security to water and natural resources, from crop production and protection to fisheries, forestry, nutrition, food processing and agro-industries.



The International Center for Agricultural Research in the Dry Areas (ICARDA) is an international organization undertaking research-for-development since its establishment in 1975. ICARDA provides innovative, science-based solutions for communities across the non-tropical dry areas. In partnership with research institutions, NGOs, governments, and the private sector, ICARDA's work advances scientific knowledge, shapes practices, and informs policy.



Since 1974, SIPCAM Inagra formulates phytosanitary products, both chemical and biological, as well as biostimulants and special fertilizers for the protection and improvement of the quality of crops. The Tunisian partners: Agriprotec, Atlas Agricole, Promochimie and Société El Khadra, distribute these products with the flag of quality by maintaining commercial relations based on honesty and trust.

Silver Partners



Arab Center for the Studies of Arid Zones and Dry lands (ACSAD) was established in 1968 with the objective of unifying national efforts to develop scientific agricultural research in the arid and semi-arid areas, exchanging information and expertise in order to increase agricultural production.






The overall objective of the Arab Organization for Agricultural Development (AOAD), established in 1970, is to identify and develop linkages between Arab countries, and coordinate all agricultural and agricultural -related activities amongst them.



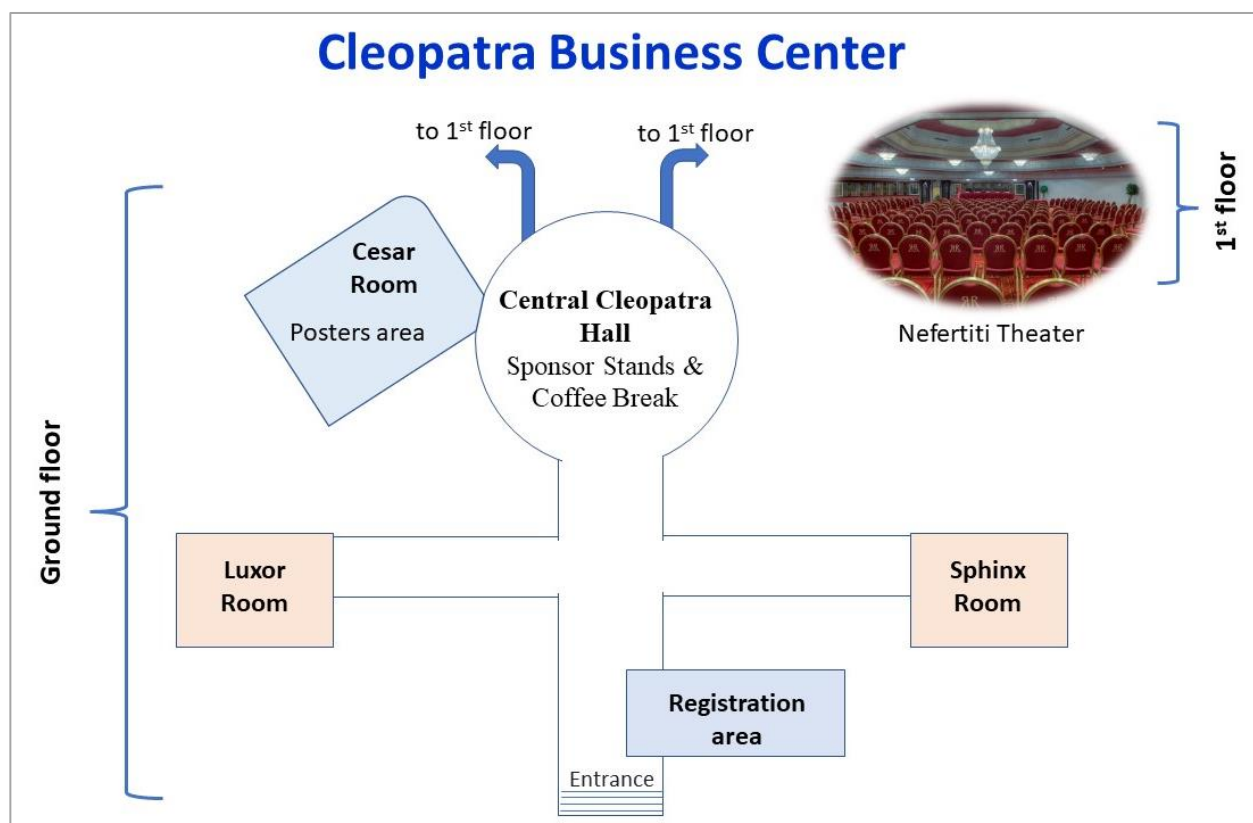
Russell IPM is a market leader in providing customer focused solutions to the issues facing pest controllers. Russell IPM designs and manufactures pheromone lures and bio pesticides for customers worldwide

 <p>المنظمة الإسلامية للأمن الغذائي Islamic Organization for Food Security l'Organisation Islamique pour la Sécurité Alimentaire</p>	<p>Founded on 2013, IOFS has as strategic mission to ensure sustainable food security in member states of the Organization of Islamic Cooperation (OIC). Among its key objectives, IOFS has: (i) to provide expertise and technical know-how to member states on various aspects of sustainable agriculture, rural development, food security, and biotechnology; (ii) to address problems posed by desertification, deforestation, erosion, and salinity.</p>
<h2 style="text-align: center;">Bronze Partners</h2>	
	<p>The CGIAR Initiative on Genebanks is a partnership of the Genebanks and Germplasm Health Units (GHUs) under the Genetic Innovation Action Area of the One CGIAR strategy. GHUs enable the production, maintenance, and distribution of healthy germplasm from CGIAR centers as per the international phytosanitary standards to protect agriculture and biodiversity from the risks associated with the entry, establishment, or spread of plant pests. GHUs work in close partnership with NPPOs to help perform their national mandates through awareness raising, capacity development, and partnership arrangements for phytosanitary regulations.</p>
	<p>International Maize and Wheat Improvement Center (CIMMYT) is a non-profit research and training organization. It works with partners, throughout the developing world, to sustainably increase the productivity of maize and wheat cropping systems, thus improving global food security and reducing poverty.</p>
	<p>UPL is the 5th agrochemical company in the world. After the acquisition of Arysta Life Science, UPL is a global leader in global food systems.</p>
	<p>Syngenta is one of the world's leading agriculture companies, present in more than 100 countries our ambition is to help safely feed the world while taking care of the planet.</p>
	<p>A leader in its sector, BASF has an extensive catalog of fungicides, insecticides, herbicides and seed treatments, which helps farmers to increase crop yields and quality in a sustainable way.</p>
	<p>The National Oil Office was established in 1962. Its activities include the olive sector promotion, buying and exporting olive oil and supplying the country with subsidized vegetable oils.</p>
	<p>The Cereals Office, established in 1962, is mainly responsible for ensuring the role of the public utility in the cereal sector and supplying Tunisia with local and imported cereals. It is also in charge of organizing and adjusting the market, supervising the process of collecting local cereals and creating a national reserve stock.</p>
	<p>Groupeement Interprofessionnel des Fruits (GIFruits) assumes the role of national regulator of fruit markets, ensures the promotion of Tunisian fruits quality and contributes to the marketing and the promotion of their exports.</p>
	<p>Groupeement Obligatoire des Viticultures et Producteurs des Fruits en Tunisie (GOVPF) is a public institution supervised by Ministry of Agriculture, producing certified nursery plants of fruit trees and citrus. It's the only producer of grapevine nursery plant in Tunisia.</p>

	<p>The main specific missions of Interprofessional Group of Vegetables (GIL) are the production of potato seeds, the production of seedlings, conventional and organic seeds of vegetables and the regulation of the market.</p>
	<p>Société Mutuelle Centrale de Semences (COSEM) (1947) is a leader company in the sector of certified cereal seeds in Tunisia. Among its missions the conservation, multiplication and production of seeds of cereal varieties obtained by the National Institute of Agricultural Research of Tunisia (INRAT).</p>
	<p>Centre Technique des Agrumes (CTA) undertakes the development of the citrus sector in Tunisia by adapting the results of scientific research to the conditions of farmers. CTA is also working on diversifying production and developing an IPM method.</p>
	<p>Institut National des Grandes Cultures (INGC) was established in 2009. It mainly works on developing the profitability of major crops in terms of production, quality and suitability of transformation needs.</p>
	<p>Bioprotection is a leading company specializing in the distribution of phytosanitary products and fertilizers. It distributes the products of internationally renowned companies throughout Tunisia. Quality is the main commitment of the company and represents the center of its priorities at all levels: choice of Products, Teams, Service. The reasoned use of phytosanitary products and fertilizers is also at the center of its objectives in order to preserve the environment, wild fauna and flora. The company supports farmers in their use of products in order to promote good agricultural practices.</p>
	<p>RAYEN PHYTAGRI was founded in 2014. The company is specialized in importing and distributing plant protection products. Our mission is to contribute to agricultural development by offering to Tunisian farmer innovative and high-quality products.</p>
	<p>AGROMILLORA MÉDITERRANÉE is the Tunisian subsidiary of AGROMILLORA Group leader in production and marketing of stone fruit rootstock, young trees of stone fruit, grapes vine and olive trees.</p>
	<p>MABROUKA Nursery, created in 1994, specialized in the agricultural field, the production of plants, seeds and fruits. Since 2000, the nursery has the first Tissue Culture Laboratory in Tunisia, which produces rootstock, potato seeds and strawberry plants.</p>
	<p>Atlas Agricole distributes pesticides in the Tunisian market. The company represents Bayer, Corteva as well as other reputed corporations and provides sustainable and innovative solutions.</p>
	<p>HORCHANI DATTES Company is one of the major date growers in Tunisia. The company has been exporting natural and biological dates since 1930, after conditioning and canning them in its modern factories.</p>
	<p>Biosca Tamara is specialized in processing and packaging Tunisian dates. It is certified: IFS& BRC, ISO 9001: 2015, Global Gap, Halal, Kosher, USDA Organic, certificate of conformity CCPB and is exporting to the five continents.</p>

	<p>Official representative of the Brandt and Syngenta brands, the company offers a multitude of fertilizer, herbicide, fungicide, and insecticide products for different crops: cereals, arbo, and market gardening.</p>
	<p>European and Mediterranean Plant Protection Organization (EPPO), the European and Mediterranean Plant Protection Organization, has as objective to protect plants through international cooperation for and with its 52 member countries.</p>
	<p>Bayer is a Life Science company with more than 150-year history and core competencies in the areas of health care and agriculture. With its innovative products, the company is contributing to finding solutions to some of the major challenges of our time. Its device is "Health for all, Hunger for none"</p>
	<p>The Tunisian Grain Company "COTUGRAIN", created more than 30 years ago, is mainly specialized in the marketing and production of seeds.</p>
	<p>NUFARM is a global crop protection company that has been helping growers fight disease, weeds and pests for more than 100 years.</p>
	<p>Since its creation in 1959, the Banque Nationale Agricole (BNA) has not ceased to confirm itself in the financial market, not only as a bank financing agriculture, but also as a universal bank, citizen, modern and closer to Tunisians.</p>
	<p>The STB Bank, which started operating on March 26, 1958, is a pioneer in the development of the country and an example of the modernization of the banking sector. The STB is an essential partner in international relations.</p>
	<p>Sharda Cropchem Limited is engaged in the marketing and distribution of a wide range of formulations and generic active ingredients, It's core strength lies in identifying generic molecules, preparing dossiers, seeking registrations, marketing and distributing formulations or generic active ingredients in fungicide, herbicide and insecticide segments</p>
<h2 style="text-align: center;">Exhibitors</h2>	
	<p>Agdia EMEA, specialized in the production of kits for plant pathogen detection, virus, bacteria, viroids and fungi. Agdia kits are based on serological and molecular techniques and can be used in the lab or on site.</p>
	<p>Ribosite Biotechnology is a leading Tunisian company in the field of molecular lab reagents industry, intensively committed in Biotech Research & development.</p>
	<p>Agence de Promotion des Investissements Agricoles (APIA) is a non-administrative public establishment, created in 1983, whose main mission is to promote private investment in the fields of agriculture, fishing and associated services.</p>

Cleopatra Business Center Le Royal Hotel, Hammamet, Tunisia



Sunday, 16 October 2022

14:00 20:00 Participants registration at Le Royal Hotel, Hammamet, Tunisia

Monday, 17 October 2022

Program Summary

From	To	Session Name		
08:30	10:00	Opening Ceremony Under the Patronage of his Excellency the Minister of Agriculture, Water Resources and Fisheries of Tunisia		
		Room: Nefertiti		
10:00	10:30	Keynote addresses	Room: Nefertiti	Chairperson: Hichem Ben Salem
10:30	11:00	Coffee Break	Room: Cleopatra	

From	To	Session Name	Place	Chairperson
11:00	12:30	Symposium I	Nefertiti	Thaer Yaseen (FAO, Egypt)
12:30	14:00	Session 1: Soil-borne Pathogens	Nefertiti	A. Dababat (CIMMYT, Turkey)
12:30	14:00	Session 2: Red Palm Weevil	Sphinx	A. Saad Aldawood (Saudi Arabia)
12:30	14:00	Session 3: Fungal Diseases of Cereals	Luxor	Emad Al-Maaroof (Iraq)
14:00	15:30	Lunch Break	Hotel Restaurant	
15:30	16:45	Session 4: Biological Control	Nefertiti	Ahmed Al-Heneidi (Egypt)
15:30	16:45	Session 5: Economic Entomology	Sphinx	Ahmad Katbeh (Jordan)
15:30	16:45	Session 6: Fungal Diseases	Luxor	Samia Gargouri (Tunisia)
16:45	17:15	Coffee Break	Cleopatra	
17:15	18:45	Session 7: Biological Control	Nefertiti	Abdulnabi Basheer (Syria)
17:15	18:45	Session 8: Plant Extracts	Sphinx	Walaa Jamil (Egypt)
17:15	18:45	Session 9: Viruses of Tomato & Pepper	Luxor	Naima Mahfoudhi (Tunisia)
19:00	20:30	AJPP & ANEPPB Editorial Board Meeting	Nefertiti	Khaled Makkouk (AJPP, Editor-in-chief) Ibrahim Jboory (ANEPPB Editor)

Monday, 17 October 2022

08:30-10:00	Opening Ceremony Under the Patronage of his Excellency the Minister of Agriculture, Water Resources and Fisheries of Tunisia		
	Room: Nefertiti		
10:00-10:30	Keynote address	Room: Nefertiti	Chairperson: Hichem Ben Salem
	Plant health vision for the 21 st century: new knowledge and approaches. Sophien Kamoun , <i>The Sainsbury Laboratory, Norwich Research Park, Norwich, United Kingdom (KN1)</i>		
10:30-11:00	Coffee Break	Room: Cleopatra	
11:00-12:30	Symposium I: Plant Health for Food Security and Safety		
		Room: Nefertiti	Chairperson: Thaer Yaseen (FAO, Egypt)
11:00	Mycotoxins as a hidden threat for food and feed safety: risks and challenges. Antonio F. Logrieco , <i>Institute of Sciences of Food Production, Research National Council, Bari, Italy (S1)</i>		
11:30	Importance of phytosanitary regulations and international standards for plant health to enhance food security. Nico Horn , <i>Director-General European and Mediterranean Plant Protection Organization (EPPO), Paris, France (S2)</i>		
12:00	Conservation and use of global plant genetic resources for enhancing insect pests and disease resistance: major foliar diseases of barley as an example. Ahmed Amri , <i>International Center for Agricultural Research in the Dry Areas (ICADRA), Rabat, Morocco (S3)</i>		
12:30-14:00	Session 1: Soil-borne Pathogens Room: Nefertiti Chairperson: A. Dababat (CIMMYT, Turkey)	Session 2: Red Palm Weevil Room: Sphinx Chairperson: A. Saad Aldawood (Saudi Arabia)	Session 3: Fungal Diseases of Cereals Room: Luxor Chairperson: Emad Al-Maarouf (Iraq)
12:30	Soil health and microbiomes of dryland wheat in the pacific northwest of the US. Timothy Paulitz , <i>USDA-ARS, Pullman, WA. Wheat Health, Genetics and Quality Unit and Northwest Sustainable Agroecosystems Unit, USA (SB1)</i>	The efforts of the Arab organization for agriculture development (AOAD) in the integrated control of the red palm weevil. Fida’a Ali Rawabadeh , <i>Arab Organization for Agricultural Development, Amman, Jordan (IPM1)</i>	A molecular based strategy for chemotyping <i>Fusarium</i> isolates and phenotyping resistance of wheat cultivars to <i>Fusarium culmorum</i> . Siheem Touati-Hattab , <i>Amar Telidji University, Laghouat, Algeria (F1)</i>
12:45	Cereal nematodes in Central and West Asia and North Africa (CWANA): current knowledge and future needs. Mustafa Imren , <i>Bolu Abant Izzet Baysal University, Faculty of Agriculture, Department of Plant Protection, Golkoy, Bolu, Türkiye (SB2)</i>	Detection and control of red palm weevil under field conditions. Abdulrahman Saad Aldawood , <i>Economic Entomology Research Unit, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (EN1)</i>	Spatial distribution of root and stem diseases of cereals in relation to climatic zones in Tunisia. Samia Gargouri , <i>Institut National de la Recherche Agronomique de Tunisie, Tunisia (F2)</i>
13:00	Wheat crown rot in Algeria: current status and disease management. Houda Bouregghda , <i>Laboratory of Phytopathology and Molecular Biology-Department of botany, The National Higher School of Agronomy (ENSA), El Harrach, Algiers, Algeria (SB3)</i>	Laboratory evaluation of some petroleum oils and inorganic salts single and combined with insecticides for control of the red palm weevil, <i>Rhynchophorus ferrugineus</i> (Olivier). Mohammad Ibrahim Mogahed , <i>Pests and Plant Protection Department, National Research Center, Giza, Egypt (EN2)</i>	The pathogenicity of the main species causing crown rot and head blight of wheat in Algeria. Nora Abdallah-Nekache , <i>Laboratoire de Phytopathologie et de Biologie Moléculaire, Département de botanique, Ecole Nationale Supérieure Agronomique, Algiers, Algeria (F3)</i>
13:15	VIBRANCE®Duo – a novel seed treatment to boost root health in cereals. Brigitte Slaats , <i>Syngenta Crop Protection AG, Rosentalstrasse 67, 4058 Basel, Switzerland (SB4)</i>	Red palm weevil invasion modelling and control options. Francesco Porcelli , <i>DiSSPA-University of Bari Aldo Moro, Bari, Italy (EN3)</i>	Morphological characterization and pathogenicity of nine <i>Fusarium</i> spp. Isolates collected from barley seeds (<i>Hordeum vulgare</i> L.) in Morocco. Inaam El-Miziani , <i>International Center for Agricultural Research in the Dry Areas (ICARDA), Rabat, Morocco (F4)</i>

13:30	Plant parasitic nematodes on cereals in north Africa: outlook and management. Fouad Mokrini , Biotechnology Unit, Regional Centre of Agricultural Research, INRA-Rabat, Morocco (SB5)	Date palm farmers mistakes that hinder the control of the red palm weevil, <i>Rhynchophorus ferrugineus</i> (olivier). Salah M.M. Gameel , Plant Protection Research Institute, Agricultural Research Center, Egypt (EN4)	Incidence of foot rot disease in commercial durum wheat genotypes under continuous wheat cropping in northwest Tunisia. Asma Bouatrous , Laboratoire Sciences et Techniques Agronomiques, Institut National de la Recherche Agronomique de Tunisie, Tunisia (F5)
13:45		Improved performance of pesticide's injection for controlling red palm weevil via direct estimation of water content for three palm species. Hasanain Al-Shalchi , Arab Centre for the Studies of Arid zones and Dry lands (ACSA), Damascus, Syria (CP1)	Reaction of durum and bread wheat varieties and advanced lines toward fusarium foot and root rot in the Tunisian semi-arid region. Samira Chekali , Pôle Régional de Recherche Développement Agricoles du Nord-Ouest semi-aride, Kef, Tunisie (F6)
14:00-15:30	Lunch Break Hotel Restaurant		
15:30-16:45	Session 4: Biological Control Room: Nefertiti Chairperson: Ahmed Al-Heneidi (Egypt)	Session 5: Economic Entomology Room: Sphinx Chairperson: Ahmad Katbeh (Jordan)	Session 6: Fungal Diseases Room: Luxor Chairperson: Samia Gargouri (Tunisia)
15:30	Bio-agents associated with the insect " <i>Lichtensia viburni</i> " on olive trees in Sabrata west of Tripoli, Libya. Afaf Rajab Hamza , Ministry of Agriculture and Livestock, Tripoli, Libya (BC1)	Monitoring of the annual presence of the peach fruit fly <i>Bacterocera zonata</i> (sounders) compared to the Mediterranean fruit fly <i>Ceratitis capitata</i> Wiedemann using attracting pheromone traps in mixed orchards in Baghdad governorate. Amal Salman , Ministry of Agriculture, Agricultural of Extension and Training Office, Abu Ghraib, Bagdad, Iraq (EN5)	Potato fusarium diseases: interactions between four <i>Fusarium</i> species on potato plants and tubers and their influence on disease severity. Boutheina Mejdoub-Trabelsi , Higher School of Agriculture of Kef, University of Jendouba, Tunisia (F7)
15:45	The defensive aphid symbiont <i>Hamiltonella defensa</i> affects host quality for three wasp species. Sabrina Attia , LR14AGR02 of Bioaggressors and Integrated Pest Management in Agriculture, National Agronomic Institute of Tunisia, Tunisia (BC2)	Survey of <i>Lichtensia viburnum</i> on olive trees in Sabrata, Libya. Afaf Rajab Hamza , Ministry of Agriculture and Livestock, Tripoli, Libya (EN7)	Fungi associated with wheat, barley and sorghum in Mukiras region, Yemen. Najeeb Ahmed Sallam , Plant Protection, Nasser's Faculty of Agriculture, Sciences University of Aden, Yemen (F8)
16:00	Isolation of entomopathogenic fungi from agricultural soil from Constantine, Algeria, against the aphid <i>Metopolophium dirhodum</i> . Ouidad Abdelaziz , Mentouri Brothers Constantine 1 University, Faculty of Science of Nature and Life, Constantine Algeria (BC3)	Importance of myrmeco fauna associated with a pomegranate agroecosystem in the Hodna Basin. Ghaniyya Mekki , Department of Agronomic Sciences, Faculty of Sciences, University Mohamed Boudiaf of M'sila 28000, Algeria (EN8)	Distribution of wheat root rot disease in Ninevah and Erbil governorates, Iraq. Ali Kareem Al-Taae , Plant Protection Department., College of Agriculture and Forestry, University of Mosul, Iraq (F9)
16:15	Study of the larvicide effect of toxins of two local strains of <i>Bacillus</i> sp. against the greater wax moth <i>Galleria mellonella</i> . Hakima Oulebsir-Mohandkaci , Laboratory of the Valorization and Conservation of Biological Resources, Faculty of Sciences, University M'hamed Bougara of Boumerdes, Algeria (BC4)	Sequential sampling plans for aphids on winter canola. Aqeel Alyousuf , University of Basra, Basra, Iraq (EN9)	Toxigenic fungi and mycotoxins in oat silage before and after fermentation. Amal Mannai , Laboratory of Animal and Forage Productions, National Institute of Agronomic Research of Tunisia (INRAT), University of Carthage, Tunisia (F10)
16:30	First record of two new species of <i>Beauveria</i> entomopathogenic fungus from hibernating sites of sunn pest (<i>Eurygaster integriceps</i> Potun) in Gara mountain, Iraq. Feyroz Ramadan Hassan , Plant Protection Department, College of Agricultural Engineering Sciences, Duhok University, Kurdistan Region, Iraq (BC5)	Biometric and chemical evaluation of cork oak acorns (<i>Quercus suber</i>) in northwestern Tunisia. Olfa Ezzine , National Research Institute of Rural Engineering, Water and Forests, Ariana, Tunisia (EN10)	Monitoring of powdery mildews disease on different host plants in certain locations of Iraq. Nadeem A. Ramadan , Biology Department, College of Science, Mosul University, Iraq (F11)

16:45-17:15	Room: Cleopatra		
17:15-18:45	Coffee Break Session 7: Biological Control Room: Nefertiti Chairperson: Abdalnabi Basheer (Syria)	Session 8: Plant Extract Room: Sphinx Chairperson: Walaa Jamil (Egypt)	Session 9: Viruses of Tomato & Pepper Room: Luxor Chairperson: Naima Mahfoudhi (Tunisia)
17:15	Effect of <i>Campsilura concinnata</i> on population dynamics of <i>Orgyia trigotephra</i> in the north of Tunisia. Sonia Hammami , <i>University of Carthage, Faculty of Sciences of Bizerte, Bizerte, Tunisia (BC6)</i>	Effect of some botanical oils on the control of the cotton Jassid, <i>Jacobiasca lubica</i> (de berg) on eggplant at Gezira and Khartum state, Sudan. Faiza E.E. Salah , <i>Department of Crop Protection, Faculty of Agricultural Sciences, University of Gezira, Sudan (EX4)</i>	Distribution of tomato brown rugose fruit virus affecting tomato crop in Riyadh region, Saudi Arabia. Ahmed Sabra , <i>Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Saudi Arabia (V1)</i>
17:30	The role of volatile organic compounds (VOC) produced by citrus leaves infested with <i>Aonidiella aurantii</i> on the attraction of the predator <i>Chilocorus bipustulatus</i> . Qasim Ahmed , <i>Department of Plant Protection, College of Agricultural Engineering Sciences, University of Baghdad, Baghdad, Iraq (BC7)</i>	Phytochemical study and insecticidal activity of Tunisian <i>Mentha pulegium</i> L. Essential oil against <i>Tribolium castaneum</i> (Herbst) and impact on flour quality during storage. Olfa Bachrouch , <i>Laboratoire de Protection des Végétaux, Institut National de la Recherche Agronomique de Tunisie (INRAT), Tunis Tunisia (EX5)</i>	Nutritional management and prediction of Tomato leaf curl virus disease. Muhammad Ahmad Zeshan , <i>Department of Plant Pathology, College of Agriculture, University of Sargodha, Sargodha, Pakistan (V2)</i>
17:45	Relative occurrence of coccinellid predators associated with okra crop at Merowe area, Northern Sudan. Abdalla A. Satti , <i>Environment, Natural Resources and Desertification Research Institute, National Centre for Research, Khartoum, Sudan (BC8)</i>	Effect of some inert dusts against cowpea weevil <i>Callosobruchus maculatus</i> (F.). Ebraheem Aljourri , <i>Plant Protection Department, Agricultural Engineering Faculty, Al-Baath University, Syria (EX6)</i>	First record of Tomato bushy stunt virus (TBSV) and Tomato spotted wilt virus (TSWV) on <i>Ranunculus asiaticus</i> L. in Iraq. Hameed Hamoud Ali Kanoo , <i>Department of Plant Protection, College of Agriculture and Forestry, University of Mosul, Iraq (V3)</i>
18:00	The predatory efficiency of the <i>Scolothrips sexmaculatus</i> (Perg.) On the stages of oriental citrus mite <i>Eutetranychus orientalis</i> (Klein). Sindab S.J. Aldahoui , <i>Plant Protection Determent, College of Agriculture, University of Baghdad, Baghdad, Iraq (BC10)</i>	The <i>Lantana camara</i> plant as resource of bio-fungicide against <i>Botrytis cinerea</i> in strawberry fruits. Messaouda Benabdelkader , <i>Laboratory of Applied Microbiology, Setif University and Laboratory of Jijel University, Algeria (EX7)</i>	Antagonism of soil microorganisms against Tomato mosaic virus. Wazeer A. Hassan , <i>College of agricultural engineering sciences, University of Duhok, Kurdistan Region, Iraq (V7)</i>
18:15	Effect of the genetic selection based on fecundity on improvement of the quantitative traits of the predator, <i>Cryptolaemus montrouzieri</i> (Mulsant) (Coleoptera: Coccinellidae) through twelve cross-breeding generations. Nadia Al-Khateeb , <i>Department of Biological Control, Directorate of Agriculture, Lattakia, Syria (BC11)</i>	Composition and antifungal activities of the methanol extracts of <i>Salvia multicaulis</i> (Vahl) and <i>Salvia spinosa</i> L. Zakaria Al-Naser , <i>Department of Plant Protection, Faculty of Agriculture, Damascus University, Syria (EX8)</i>	Transmission of Cucumber mosaic virus subgroup IA on pepper by major aphid species in Cap bon region. Wafa Khaled Gasmi , <i>Plant Protection Laboratory, National Institute of Agricultural Research of Tunisia (INRAT), University of Carthage, Ariana, Tunisia (V20)</i>
18:30	Field observations of <i>Spodoptera frugiperda</i> and the natural enemies fauna on winter sowing maize crop in Gezira, Sudan. Sara A.A.G. Kehail , <i>Agricultural Research Corporation, Integrated Agricultural Pest Management Research Centre, Entomology Research Program, Wad Medani, Sudan (BC12)</i>	Effect of aqueous extracts of Hanzal (<i>Citrullus colocynthis</i> L.), Senemeka (<i>Senna alexandrina</i> Mill) and Ummjelajel (<i>Aristolochia bracteolata</i> L.) on the leafminer (<i>Liriomyza</i> spp.) on the snake melon crop. Faiza Elgeli Elhassan Salah , <i>Faculty of Agricultural Sciences, University of Gezira, Sudan (EX10)</i>	Characterization of Pepper leafroll chlorosis virus, a new <i>Polerovirus</i> causing yellowing disease of bell pepper in Saudi Arabia. M.A. Al-Saleh , <i>Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (V22)</i>
19:00-20:30	AJPP & ANEPPB Editorial Board Meeting Room: Nefertiti Chairpersons: Khaled Makkouk (AJPP, Editor-in-chief) Ibrahim Jboory (ANEPPB Editor)		

Tuesday, 18 October 2022

Program Summary

From	To	Session Name	Place	Chairperson
08:30	10:00	Symposium II	Nefertiti	Sophien Kamoun (UK)
10:00	10:30	Coffee Break	Cleopatra	
10:30	11:45	Session 10: Food Security & Plant Protection	Nefertiti	Abdelaziz Hajjaji (Morocco)
10:30	11:45	Session 11: Chemical Pesticides	Sphinx	M. El-Said El-Zemaity (Egypt)
10:30	11:45	Session 12: Climate Change & Transboundary Pests	Luxor	Ahmed Amri (Morocco)
11:45	13:15	Session 13: Economic Entomology		Sonia Bouhachem (Tunisia)
11:45	13:15	Session 14: Nematodes		Khalifa Dabaj (Libya)
11:45	13:15	Session 15: Diseases of Olive		Mohamed Ali Triki (Tunisia)
13:15	15:00	Lunch Break	Hotel Restaurant	
15:00	16:45	Session 16: Fungal Diseases	Nefertiti	Houda Boureghda (Algeria)
15:00	16:45	Session 17: <i>Tuta absoluta</i>	Sphinx	M. Habib Ben Jamaa (Tunisia)
15:00	16:45	Session 18: Bacterial Diseases	Luxor	Amira Mougou (Tunisia)
16:45	17:15	Coffee Break	Cleopatra	
17:15	18:30	Poster viewing – Group 1 Economic Entomology, Medical Entomology, Mites, Plant Extracts, Biological Control, Beneficial Insects	Cesar	
18:30	20:30	ASPP General Assembly	Nefertiti	Ibrahim Jboory (ASPP President)

Tuesday, 18 October 2022

08:30-10:30	Symposium II: Advances in Molecular Plant Protection and its Applications in Pest Management		
	Room: Nefertiti		Chairperson: Sophien Kamoun (UK)
08:30	Tomato plants - <i>Trichoderma-Phytophthora nicotianae</i> , a complex interaction system for understanding plant defence mechanisms. Santa Olga Cacciola , <i>Department of Agriculture, Food and Environment (Di3A), University of Catania, Italy (S4)</i>		
09:00	Parasitoid pre-adaptation improves biological control of symbiont-protected aphids. Christoph Vorburger , <i>Eawag & ETH Zürich, Überlandstrasse 133, Dübendorf, Switzerland (S5)</i>		
09:30	Integrated modern systematics and applications for mite biodiversity characterisation. Marie-Stéphane Tixier , <i>UMR CBGP, Institut Agro Montpellier, INRAE, CIRAD, IRD, University of Montpellier, Montpellier, France (S6)</i>		
10:00-10:30	Coffee Break		
	Room: Cleopatra		
10:30-11:45	Session 10: Food Security & Plant Protection Room: Nefertiti Chairperson: Abdelaziz Hajjaji (Morocco)	Session 11: Chemical Pesticides Room: Sphinx Chairperson: M. El-Said El-Zemaity (Egypt)	Session 12: Climate Change & Transboundary Pests Room: Luxor Chairperson: Ahmed Amri (Morocco)
10:30	Objectives of the Islamic Organization for food security. Abdelaziz Hajjaji , <i>Morocco</i>	Residues of the pesticide fenthion after quelea-birds control operation on sorghum and millet in Sudan. Rawda Yaagoub EL Habieb , <i>Agricultural Research Corporation, Integrated Agricultural Pests Management Research Center, Pesticides Residues Laboratory, Wad Medani, Sudan (CP2)</i>	Impact of climate change on plant disease: a challenge to prevent and mitigate plant disease risks in agriculture. Khaled M. Makkouk , <i>Arab Society for Plant Protection, Beirut, Lebanon (CC1)</i>
10:45	Desert locust management in Tunisia: a transboundary pest that can be prevented by implementing a preventive control strategy. Mouna Mhafdhi , <i>General Directorate of Plant Health and Agricultural inputs Control, Ministry of Agriculture, Water Resources and Fisheries, Tunisia (FS1)</i>	Detection of mutations linked to insecticide resistance in the green peach aphid <i>Myzus persicae</i> (Sulzer) collected from peach and potato in Tunisia. Amen Hlaoui , <i>Laboratoire de Protection des Végétaux, INRAT, Rue Hédi Karray, Ariana 2049, Tunisia (CP4)</i>	Impact of climate change on some Pathosystems and its integrated management in Syria. Abdul Rahman Khafateh , <i>Faculty of Agriculture, Tishreen University, Latakia, Syria (CC2)</i>
11:00	Control of red palm weevil in Tunisia. Mohamed Habib Ben Jamaa , <i>Directorate of Plant Health and Control of Agricultural Inputs, Tunisia (FS2)</i>	Efficacy of selected insecticides on the grapevine mealybug <i>Planococcus ficus</i> and their side effects on its natural enemies <i>Leptomastix dactylopii</i> and <i>Cryptolaemus montrouzieri</i> . Rabeb Brahmi , <i>University of Sousse, High Agronomic Institute of Chott-Mariem, Department of Biological Sciences and Plant Protection, Sousse, Tunisia (CP5)</i>	Effect of climate change on wheat rust disease in Syria. Mohammad A. Kassem , <i>Department of Plant Protection, Faculty of Agriculture, Aleppo University, Aleppo, Syria (CC3)</i>
11:15	Overview of the locust control strategy in Morocco. Badreddine El Guennouni , <i>National Locust Control Enter, Morocco (FS3)</i>	Pesticides resistance monitoring and biochemical impact on field populations of <i>Spodoptera littoralis</i> (Boisd.) in Egypt. Eman A. Fouad , <i>Bioassay Department, Central Agriculture Pesticides Laboratory, Agriculture Research Centre, Egypt (CP6)</i>	Safe movement of food and forage crops germplasm: ICARDA's experience in the Arab region. Safaa G. Kumari , <i>International Center for Agricultural Research in the Dry Areas (ICARDA), Terbol Station, Beqa's Valley, Zahle, Lebanon (MI1)</i>
11:30		Evaluation of the environmental impact of pesticides used by peri model: case study of Biskra Ziban, Algeria. Nafissa Soudani , <i>Department of Agricultural Sciences, Dedsdaza, Mohamed Khider, University of Biskra, Algeria (CP8)</i>	Trans-boundary plant pests and diseases in the Arab region: present situation and future challenges. Taher Sadegh Elazzabi , <i>FAO former Senior Plant Protection Officer for the Near East Region, Pesticide Management and Phytosanitary Consultant (MI2)</i>

11:45-13:15	Session 13: Economic Entomology Room: Nefertiti Chairperson: Sonia Bouhachem (Tunisia)	Session 14: Nematodes Room: Sphinx Chairperson: Khalifa Dabaj (Libya)	Session 15: Diseases of Olive Room: Luxor Chairperson: Mohamed Ali Triki (Tunisia)
11:45	Morphological and biological characteristics of <i>Coleophora perplexella</i> toll (1960) on cereal crops. Dalila Haouas , Laboratory of Support for the Sustainability of Agricultural Production Systems in the Northwest Region, Ecole Supérieure d'Agriculture du Kef, University of Jendouba, Tunisia (EN11)	Comparative efficacy of leaves powder of four plant species against <i>Meloidogyne javanica</i> on tomato. Fahad A. Al-Yahya , Plant Protection Department, College of Food and Agricultural Sciences, King Saud University, Riyadh, Saudi Arabia (N1)	<i>Xylella fastidiosa</i> is not detected yet in Jordan: recent survey results. Nehaya Al-Karablieh , Department of Plant Protection, School of Agriculture, The University of Jordan, Amman, Jordan (B7)
12:00	Dynamic populations of the apricot seed wasp <i>Eurytoma samsonowi</i> and control strategy. Takwa Wannassi , Department of Biological Sciences and Plant Protection, University of Sousse, High Agronomic Institute of Chott-Mariem, Sousse, Tunisia (EN12)	Plant parasitic nematodes in Iraq. Zuhair Stephan , Plant Protection Department, Abu-Ghraib, Baghdad, Iraq (N4)	<i>Xylella fastidiosa</i> resistance in olive and other crops. P. Saldarelli , CNR, Istituto per la Protezione Sostenibile delle Piante, Bari, Italy (B8)
12:15	The primary causes for the death of some pine trees in Jordanian forests. Ahmad Katbeh , Department of Plant Protection, Faculty of Agriculture, The University of Jordan, Amman, Jordan (EN13)	Pathogenicity of root-knot nematode <i>Meloidogyne javanica</i> on cucumber plants as affected by different inoculum levels under greenhouse conditions. Sulaiman Naif Ami , College of Agricultural Engineering Sciences, University of Duhok, Dujok, Kurdistan Region, Iraq (N5)	Description of immature instars of the potential vectors <i>Philaeus spumarius</i> and <i>Neophilaenus campestris</i> of <i>Xylella fastidiosa</i> in Tunisia. Nada Lahbib , Plant Protection Laboratory of National Institute of Agricultural Research of Tunisia, Tunisia (B9)
12:30	First report on diversity of white grub species (Scarabaeidae: Coleoptera) fauna from Haryana, India. Malik M.A. Abaker , Department of Entomology, CCS Haryana Agricultural University, Hisar, India (EN14)	Relative susceptibility and tolerance of thirteen Egyptian wheat cultivars to the cereal cyst nematode (<i>Heterodera avenae</i> Woll.). A.M. Korayem , Plant Pathology Department, National Research Center, Egypt (N6)	Molecular and functional diversity of PGPR fluorescent <i>Pseudomonas</i> isolated from rhizosphere of olive (<i>Olea europaea</i> cv. <i>europaea</i>). Farida Benzina-Tihar , Laboratory of Valorization and Conservation of Natural Resources, Department of Biology University of Mhamed Bougara, Boumerdes, Algeria (B6)
12:45	Assessment of the biotic potential of the Mediterranean fruit fly <i>Ceratitis capitata</i> on selected cultivated Solanaceae. Ahlem Harbi , High Agronomic Institute of Chott-Mariem, Chott-Mariem, Sousse, Tunisia (EN15)	The impact of intensification practices and soil properties on the structure and diversity of plant-parasitic nematode communities infesting olive orchards in Tunisia. Ilhem Guesmi-Mzoughi , Département des Sciences Biologiques et Protection des Plantes, Institut Supérieur Agronomique de Chott Mariem, Université de Sousse, Tunisie (N7)	Pathological and physiological studies on <i>Fusicladium oleagineum</i> (= <i>Spilocaea oleagina</i>) the causal agent of olive leaf spot disease and olive defoliation. El-Sayed M. Embaby , Plant Pathology Department, National Research Centre (NRC), Cairo, Egypt (F26)
13:00	Biological study on cucurbit fly <i>Dacus ciliatus</i> (Loew) and the evaluation of some insecticides for its control in Kurdistan region-Iraq. Gehan Haji Maronsy , Department of Plant Protection, Collage of Agricultural, University of Duhok, Iraqi Kurdistan, Iraq (EN16)	Interactive effect of root knot nematode (<i>Meloidogyne javanica</i>) and root rot fungus (<i>Rhizoctonia solani</i>) on eggplant (<i>Solanum melongena</i> L.). Khalifa H. Dabaj , Plant Protection Department, Faculty of Agriculture, University of Tripoli, Tripoli, Libya (N9)	<i>Verticillium</i> wilt of the olive tree in Algeria: better understanding of the disease leads to better control. Miloud Bellahcene , Department of Natural and Life Sciences, Institute of Sciences, Belhadj Bouchaib University Center, Ain Témouchent, Algeria (F27)
13:15-15:00	Lunch Break	Hotel Restaurant	

15:00-16:45	Session 16: Fungal Diseases Room: Nefertiti Chairperson: Houda Boureghda (Algeria)	Session 17: <i>Tuta absoluta</i> Room: Sphinx Chairperson: M. Habib Ben Jamaa (Tunisia)	Session 18: Bacterial Diseases Room: Luxor Chairperson: Amira Mougou (Tunisia)
15:00	The role of the race of <i>Phytophthora infestans</i> on the response of potato to infection. Taoutaou Abdelmoumen , Department of Botany, Ecole Nationale Supérieure Agronomique, Algiers, Algeria (F12)	Ecological life tables of tomato borer <i>Tuta absoluta</i> (Meyrick) on tomato in greenhouses. Amer J.A. Al-Gerrawy , Faculty of Agriculture, Wasit University, Iraq (EN29)	Reaction of some cotton genotypes to bacterial blight disease and assessment of molecular diversity of the causal agent in the Sudan. Muna Elhag Suliman Saied , University of Gezira, Faculty of Agricultural Sciences, Wad Medani, Sudan (B1)
15:15	The strategy of the Arab center for the studies of arid zones and dry lands (ACSAD) to reduce bread wheat infection with rust diseases. Mahmoud Hassan , Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), Damascus, Syria (F13)	<i>Tuta absoluta</i> : is it still an invasive pest of tomato cultivations in Tunisia? Asma Cherif , Laboratory of Entomology-Acarology, Department of Plant Protection and Post-Harvest Diseases, National Agronomic Institute of Tunisia (EN30)	Field and laboratory preliminary studies on watermelon necrosis disorder of melon crop in Iraq. Qais K Zewain , Al-Hadba College, University Mosul, Iraq (B2)
15:30	Monitoring diversity of wheat stripe and stem rust pathogens by international trap nurseries and race analysis. Atef A. Shahin , Department of Wheat Diseases Research, Institute of Plant Pathology (PPRI), Sakha Agricultural Research Station, ARC, Egypt (F14)	A general look on descriptive data of bacterial communities associated with guts of tomato fruit borer, <i>Tuta absoluta</i> (Meyrick) and <i>Helicoverpa armigera</i> (Hübner). Afef Najjari , Laboratory of Microorganism and Active Biomolecules, Faculty of Sciences of Tunis, University of Tunis El Manar, Tunisia (EN31)	Prevalence of huanglongbing associated with <i>Diaphorina citri</i> in different citrus growing areas of Punjab in Pakistan. Salman Ahmad , Department of Plant Pathology, College of Agriculture, University of Sargodha Punjab, Pakistan (B3)
15:45	Virulence characterization of leaf rust isolates from 2017-18 wheat crop in Sindh, Pakistan. Muhammad Saeed , Wheat Research Sub-Station Murree, Pakistan (F15)	Susceptibility of some tomato genotypes to tomato fruit borer (<i>Tuta absoluta</i>) and potato tuber moth (<i>Phthorimaea operculella</i>). Sara Yousif Elbadawi Ali , Agricultural Research Corporation (ARC), Wad Medani, Sudan (EN32)	A modified MLVA approach led to new finding in clustering the <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> . Y.J. Rahi , Università degli Studi della Tuscia, Department of Agricultural and Forest Sciences (DAFNE), via San Camillo de Lellis snc, Viterbo, Italy (B4)
16:00	Monitoring stem rust infection in various wheat production areas across Iraq from 2016-2020. Emad Al-Maaroof , University of Sulaimani, Iraq (F16)	Resistance of some Sudanese tomato accessions to tomato fruit borer (<i>Tuta absoluta</i>). Mohammed E.E. Mahmoud , Agricultural Research Corporation, Wad Medani, Sudan (EN34)	Detection of 'Candidatus Liberibacter asiaticus' the causal agent of citrus greening in citrus nurseries in Saudi Arabia. Yasser E. Ibrahim , College of Food & Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (B5)
16:15	Morphological variation and virulence gene characterization of <i>Pyrenophora tritici-repentis</i> population. Noureddine Ouair , Ecole Nationale Supérieure d'Agronomie, Département de Botanique 1, Avenue Pasteur, Hassan Badi, Alger, Algeria (F17)	Evaluation of the efficiency of some plant extracts against two agricultural pests (<i>Tetranychus urticae</i> and <i>Tuta absoluta</i>) of geothermal crops in southern Tunisia. Ali Ben Belgacem , Arid and Oases Cropping Laboratory, Arid regions Institute Medenine, Tunisia (EX2)	Study of the <i>in vitro</i> interaction between the biocontrol 32a strain of <i>Bacillus velezensis</i> and the phytopathogenic strains of <i>Agrobacterium tumefaciens</i> and <i>Erwinia amylovora</i> . Olfa Frikha-Gargouri , Laboratory of biopesticides, Centre of Biotechnology of Sfax, Tunisia (B10)
16:30	First report of <i>Pyrenophora teres</i> , the causal agent of barley net blotch in Algerian wheat fields. Hamida Benslimane , Ecole Nationale Supérieure Agronomique. Avenue Pasteur, Hassan Badi, Algiers, Algeria (F18)	Evaluation of some botanical extracts for the management of tomato leafminer (<i>Tuta absoluta</i>) (Meyrick) of tomato in Sudan. E.S.I. Mohamed , Shambat Research Station, Agricultural Research Corporation, Khartoum North, Sudan (EX3)	The current status of asiatic citrus canker caused by <i>Xanthomonas citri</i> pv. <i>citri</i> in Saudi Arabia. Yasser E. Ibrahim , Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (B17)
16:45-17:15	Coffee Break Room: Cleopatra		
17:15-18:30	Poster viewing – Group 1 Economic Entomology, Medical Entomology, Mites, Plant Extracts, Biological Control, Beneficial Insects Room: Cesar		
18:30-20:39	ASPP General Assembly Room: Nefertiti Chairperson: Ibrahim Jboory (ASPP President)		

Posters Group (1)

Economic Entomology, Medical Entomology, Mites, Plant Extracts, Biological Control, Beneficial Insects

Posters should be placed on the poster stands on Monday (October 18, 2022) till Tuesday evening (October 19, 2022)

Poster session in the presence of authors in the Posters Hall on October 19, 2022 at 17:15

NO.	Poster title
P1	Monitoring of four Noctuidae species in Tunisian artichoke crops. Asma Cherif , Laboratory of Entomology-Acarology, Department of Plant Protection and Post-Harvest Diseases, National Agronomic Institute of Tunisia, Tunis, Tunisia (EN42)
P2	Qualitative and quantitative inventory survey of faba bean aphids in the arid region of Algeria (case of Biskra zone). Rayane Saifi , Laboratory of Dedsaza, Biskra Mohamed Khider University, University Center of Tamanrasset, Tamanrasset, Algeria (EN43)
P3	A new report of olive trees infestation with the olive Pyralid moth, <i>Euzophera pinguis</i> (Haworth, 1811) in Lebanon. Zinette Moussa , Laboratory of Entomology, Lebanese Agricultural Research Institute, Fanar, Lebanon (EN44)
P4	Effect of temperature on some biological parameters of the pomegranate butterfly <i>Deudorix livia</i> (Klug, 1834) under laboratory conditions. Sahar Zougari , Department of Biological Sciences, Faculty of Science of Tunis. University of Tunis El Manar, Tunisia (EN45)
P5	Exploratory studies on effectiveness of some insects and fungi that attack male bunches of Sagai date palm cultivar in Egypt. Mahmoud Maklad , Faculty of Agriculture, Ain Shams University, Egypt (EN46)
P6	Insects associated with oak trees in Lebanon. Elia Choueiri , Plant Protection Department, Lebanese Agricultural Research Institute, Tal Amara, Lebanon (EN47)
P7	Ecological sound control strategies for population suppression of date palm borers. Mohammed Zaidan Khalaf , Integrated Pest Control Research Center, Directorate of Agricultural Research, Ministry of Science & Technology, Baghdad, Iraq (EN48)
P8	Observations on the phenology of locusts in the great Algerian Sahara (Orthoptera: Acrididae). Abderrahmane Soudani , Laboratory of Genetic, Biotechnology and Valorization of Bio-resources, University of Biskra, Algeria (EN49)
P9	Hemiptera an redoubtable pest of crops. Malika Boualem , Plant protection laboratory, Faculty of Natural and Life Sciences, Agronomy Department, Abdelhamid Ibn Badis University of Mostaganem, Algeria (EN50)
P10	Thrips species associated with olive trees in Algeria. Randa Mahmoudi , Institute of Veterinary and Agricultural Sciences, University of Batna 1, Batna, Algeria (EN51)
P11	Inventory of associated Phytoparasites in the Oases of Nefzaoua (Kebili governorate), Tunisia. Hana Ben Abdallah , Arid Land and Oases Cropping Laboratory, Institute of Arid Land, Route Eljorf, Medenine, Tunisia (EN52)
P12	Inventory of insects, weeds and diseases in the henna crop in Biskra's Oasis (Algeria). Kaltoum Benaissa , Department of Agricultural Sciences, University of Mohamed Kheder, Biskra, Algeria (EN53)
P13	Effect of host plant on sensitivity of tobacco leaf worm <i>Spodoptera litura</i> (fab.) to some insecticides. Haitham Mohie Al-Deen Mohamed Jalal , College of Agriculture and Forestry, University of Mosul, Iraq (EN54)
P14	Varietal preferendum of date palm scale insect <i>Parlatoria blanchardi</i> Targ. in palm groves of central Algeria. Salah Eddine Sadine , Faculté des Sciences de la Nature et de la Vie et Sciences de la terre, Université de Ghardaïa, Algérie (EN55)
P15	Interaction between <i>Bemisia tabaci</i> and <i>Tuta absoluta</i> on hosts of the Solanaceae members. Chaker Bennour , Arid Area Institute Kebili, Tunisia (EN56)
P16	Insect vectors of plant pathogens that threaten agricultural production in Sudan. Abdalla A. Satti , Environment, Natural Resources and Desertification Research Institute, National Centre for Research, Khartoum, Sudan (EN57)
P17	Effect of chemical application combined with varietal precocity to control bruchids <i>Bruchus lentis</i> in lentil. Laila Satia , Entomology and Integrated Pest Management Laboratory, Plant Protection Research Department, National Institute of Agricultural Research (INRA), Rabat, Morocco (EN58)
P18	Insect fauna of the damascene rose <i>Rosa × damascina</i> in Syria. Ghassan Rustom , Arab International University (AIU), Syria (EN59)
P19	Assessment of population dynamics of cucumber moth, <i>Diaphania indica</i> in bitter gourd. Sunidhi Pilania , Department of Entomology, CCS Haryana Agricultural University, Hisar, India (EN60)
P20	Physical control against <i>Oryctes agamemnon</i> Arabicus Fairmaire (1896) using light traps. Tayeb Chater , Technical Centre of Dates, Tunisia (EN61)
P21	Development of a homemade mosquito net model to control date worm of palm trees in Tunisian Oases. Sahar Zougari , Technical Centre of Dates, Tunisia (EN62)
P22	Larvicidal preparations from <i>Argemone mexicana</i> seed oil diluted with other fixed oil. Inshirah A. Elfahal , Agricultural Research Corporation, Wad Medani, Sudan (ME2)

NO.	Poster title
P23	Monitoring and follow-up of the date spider mite "boufarwa" infestation during the hibernation period. Nihel Ben Saad , Department of Plant Health and Environment, LR14AGR02 of Bioaggressors and Integrated Pest Management in Agriculture, National Agronomic Institute of Tunisia, University of Carthage, Tunisia (M2)
P24	Effect of boiling and cold-water extracts of <i>Citrullus colocynthis</i> against <i>Tribolium castaneum</i> (Herbest). Salama Salim Albireeki , National Center for Plant Protection and Plant Quarantine, Tripoli, Libya (EX18)
P25	Inhibitory activity of some plant extracts against <i>Harknessia eucalypti</i> causing blight and leaf spots on <i>Eucalyptus</i> spp. in Libya. F.A. Abouzkhari , Plant Protection Department, INRAT, Tunisia (EX19)
P26	Insecticidal activity against <i>Rhyzopertha dominica</i> (Fabricius, 1972) stored cereals insects by the use of <i>Mentha rotundifolia</i> essential oil. Amina Leblalta , Laboratory of Applied Microbiology, Faculty of Science of Nature and Life, University of Ferhat Abbas, Algeria (EX20)
P27	Larvicidal activity of hydro-alcoholic extract of <i>Urtica membranacea</i> Poir. on <i>Tuta absoluta</i> in vitro. Fariel Krache , Plant Protection Laboratory, Department of Agronomic Sciences, University Abdelhamid Ibn Badis, Mostaganem, Algeria (EX21)
P28	Efficacy of neem tree <i>Azadirachta indica</i> A. Juss extracts on root knot nematode <i>Meloidogyne javanica</i> , <i>Fusarium</i> spp. and <i>Rhizoctonia</i> spp. under laboratory conditions. Mohamed Najeb El-Naas , Ministry of Agriculture, Khoms, Libya (EX22)
P29	Assessment of the insecticidal, repellent and antibacterial properties of two melliferous plants, <i>Mentha spicata</i> (L.) and <i>Eucalyptus globules</i> (Labill.). Kaissa Boudieb , Laboratory of the Valorization and Conservation of Biological Resources, Faculty of Sciences, University M'hamed Bougara of Boumerdes, Algeria (EX23)
P30	Evaluation of the toxicity of three essential oils against <i>Spodoptera littoralis</i> using a mixture design. Ikbale Chaieb , University of Sousse, Regional Research Centre on Horticulture and Organic Agriculture, Chott-Mariem, Sousse, Tunisia (EX24)
P31	Control assay of some fungi infecting stored wheat using aqueous extract from caper (<i>Capparis spinosa</i> L.). Soumia Sekkal , Department of Agronomic Sciences, University of Mohamed Khider, Biskra, Algeria (EX25)
P32	Study of the bio-insecticidal properties of the raw extract of sage <i>Salvia officinalis</i> L. against the pests of stored food stuff. Leila Bendifallah , Laboratory of Soft Technologies, Valorization, Physico-chemistry of Biological Materials and Biodiversity, Faculty of Sciences, M'hamed Bougara University of Boumerdes, Algeria (EX26)
P33	Study of the anti-fungal and anti-bacterial activity of the essential oils extract from <i>Moringa oleifera</i> in the southwest of Algeria. Ahmed Boulal , Laboratory of Saharan Natural Resources, Faculty of Science and Technology, Ahmed Draia University, Adrar, Algeria (EX27)
P34	Antifungal activity of essential oils extracted from leaves of <i>Salvia officinalis</i> (L.) and <i>Lavandula dentata</i> (L.) on the fungus <i>Rhizoctonia solani</i> . Kaouter Ben Mahmoud , National Institute of Agronomic Research of Tunisia, University of Carthage, Tunisia (EX28)
P35	Bioinsecticide potential of essential oils and alcoholic extracts of the aromatic plant <i>Mentha pulegium</i> L. harvested from two different regions of Algeria for the control of <i>Tribolium castaneum</i> . Fatma Ali Acheuk , Laboratory of Valorization and Conservation of Biological Resources, Faculty of Sciences, M'hamed Bougara University of Boumerdes, Algeria (EX29)
P36	Chemotherapy of grapevine virus using antiviral plant extract: an interesting approach to follow. A. Lehad , Laboratoire de Phytopathologie et Biologie Moléculaire, Ecole Nationale Supérieure d'Agronomie, Belfort, El Harrach, Algeria (EX30)
P37	Contribution to the study of the antifungal effect of the aqueous extract of <i>Capparis spinosa</i> . Sekkal Soumia , Université de Biskra, Département des Sciences Agronomiques, faculté des sciences de la nature et de la vie, Alger, Algeria (EX31)
P38	Bioactivity of essential oils against fungal species associated with cork oaks. Hadil Khadraoui , Institut National des Sciences Appliquées et de Technologie, Laboratoire de Nanobiotechnologie et Valorisation des Phytoressources Médicinales, Université de Carthage, Tunis Cedex, Tunisie (EX32)
P39	Isolation and diagnoses of some bio-control fungi and evaluation of their efficacy against Charchol rot disease caused by <i>Macrophomina phaseolina</i> on mung bean. Abdulnabi A. Matrood , Department of Plant Protection, College of Agriculture, University of Basra, Iraq (BC40)
P40	A study of some ecological parameters for the parasitoids of maize stem-borers in Deir Ez-Zor region, Syria. Ebraheem Al Jouri , Institute of Phytomedicine, Faculty of Agricultural Sciences, University of Hohenheim, Germany (BC41)
P41	Efficiency of <i>Trichoderma</i> spp. and plant extracts against ear-cockle disease of wheat caused by <i>Anguina tritici</i> . Azher Hameed Faraj Al-Taie , Faculty of Agriculture, University of Wasit, Iraq (BC42)
P42	Biological control of chickpea fusarium wilt using <i>Trichoderma harzianum</i> and Mycorrhizae. Wissal Dhaouadi , National Agronomic Research Institute of Tunisia (INRAT), Field Crop Laboratory, Tunisia (BC43)
P43	Evaluation of the antagonistic activity of <i>Trichoderma gamsii</i> against <i>Fusarium culmorum</i> the causal agent of wheat crown rot. Hadjer Lasmer , Département de Botanique, École Nationale Supérieure Agronomique, Algiers, Algeria (BC44)
P44	In vitro study of the antagonism of <i>Rhizobium</i> and <i>Trichoderma</i> against <i>Rhizoctonia solani</i> . Noura Jemai , National Institute of Agronomic Research of Tunisia, University of Carthage, Tunisia (BC45)

NO.	Poster title
P45	Efficacy of <i>Trichogramma</i> releases and mass trapping in reducing <i>Ectomylois ceratoniaezeller</i> population in Tunisian citrus orchards. Rafika Alloui , Department of Plant Health and Environment, National Agronomic Institute of Tunisia, University of Carthage, Tunisia (BC46)
P46	Potential biocontrol agents against <i>Biscogniauxia mediterranea</i> associated with <i>Quercus suber</i> . Islem Yangui , National Institute of Applied Science and Technology, Tunisia (BC47)
P47	Identification and in vitro antagonistic effect of <i>Trichoderma</i> spp. isolates against some phytopathogenic fungi in Algeria. Saliha Chihat , Département de botanique- Ecole Nationale supérieure Agronomique (ENSA), El Harrach, Alger, Algeria (BC48)
P48	Eco-biological study of aphid <i>Cinara maghrebica</i> Mimeur, 1936 and its natural enemies on <i>Pinus halepensis</i> in Algeria. Leila Bourouba , Department of Agronomy, Institute of Veterinary and Agronomy Sciences, University of Batna, Algeria (BC49)
P49	Evaluation of the effectiveness of <i>Lactobacillus acidophilus</i> and calcium chloride in controlling the fungus <i>Penicillium digitatum</i> causing green rot disease of orange fruits under laboratory conditions. Saba Baqer Al-Guboori , Department of Plant Protection, College of Agricultural Engineering Sciences, Baghdad University, Iraq (BC50)
P50	The alternative hosts of sunn pest <i>Eurygaster integriceps</i> Put. parasitoids in the northeast of Syria. Randa Abou Tara , General Commission of Scientific Agricultural Research, Damascus, Syria (BC51)
P51	The life cycle and biological control of the olive psyllid <i>Euphyllura olivina</i> costa by using entomopathogenic fungi under laboratory conditions. Asmaa Guessab , Laboratory of Research on Biological Systems and Geomatics, Faculty of Natural Sciences and Life, University of Mascara, Algeria (BC52)
P52	Predators with pests control potential in future irrigated areas around the newly constructed Hamdab Dam, northern Sudan. Abdalla A. Satti , Environment, Natural Resources and Desertification Research Institute, National Centre for Research, Khartoum, Sudan (BC53)
P53	Biological control of <i>Rhynchophorus ferrugineus</i> by <i>Bacillus</i> spp. Mustafa Almasoud , Palm and Date Center, Al Ahsa, Saudi Arabia (BC54)
P54	Effect of endophytic bacteria isolated from durum wheat on root crown rot disease under drought stress. Kholoud M. Alananbeh , Department of Plant Protection, School of Agriculture, The University of Jordan, Amman, Jordan (BC55)
P55	Biological control of olive trees dieback disease using the endophytic bacteria <i>Bacillus velezensis</i> OEEI. Mohamed Ali Triki , Laboratory of Genetic Resources of Olive tree, Characterization, Valorization and Phytosanitary Protection, Olive Tree Institute, University of Sfax, Tunisia (BC56)
P56	Assessment of <i>Trichoderma</i> spp. As biocontrol agents against mycotoxigenic fungi associated with stored agricultural products. Roxana Zaharia , Research and Development Institute for Plant Protection, Bucharest, Romania (BC57)
P57	Beneficial insects associated with fall army worm in Lebanon. Zinette Moussa , Plant Protection Department, Lebanese Agricultural Research Institute (LARI), Fanar, Lebanon (BC58)
P58	Study on some biological aspects of Ectoparasitoid <i>Habrobracon concolorans</i> (Marshall) on larvae of greater wax moth at two constant temperatures. Anwar Jassam AlAllah , Ministry of Education, Baghdad, Iraq (BC59)
P59	Haplotype characterization of the COI mitochondrial gene in <i>Apis mellifera</i> from Algeria. Safia Ben Amor , Department of Biotechnology, Faculty of Nature and Life Sciences, Saad Dahlab University Blida 1, Algeria (BI6)
P60	Effectiveness of different formulations and methods of treatment with oxalic acid in the management of varroa destructor parasite of the honeybee in Algeria. Noureddine Adjlane , Department of Agronomy, Faculty of Sciences, M'hamed Bougara University, Boumerdes, Algeria (BI7)
P61	Characterization of indigenous fig wasp pollinator populations, timing of adult emergence, and Cleptoparasitism, on <i>Ficus carica</i> in the northwest region of Libya. Eman T. Zentane , Plant Protection Department, College of Agriculture, University of Tripoli, Libya (BI8)
P62	Beneficial insects and their importance to agriculture. Amina Al Houssari , Lebanese International University of Beirut, Beirut, Lebanon (BI9)
P63	Nesting sites of honeybees in the Dinder biosphere reserve, Sudan. Lubna M. Abdalla , Wildlife Research Centre, Shambat, Sudan (BI10)

Wednesday, 19 October 2022

Touristic & Agricultural trip

Thursday, 20 October 2022

Program Summary

From	To	Session Name	Place	Chairperson
08:30	09:30	Symposium III	Nefertiti	Khaled Makkouk (Lebanon)
09:30	10:00	Coffee Break	Cleopatra	
10:00	11:15	Session 19: Research Coordination	Nefertiti	Giovani Baldissera (France)
10:00	11:15	Session 20: Economic Entomology	Sphinx	Hassan Dahi (Egypt)
10:00	11:15	Session 21: Biological Control	Luxor	Abdulhamid Al-Riyami (Oman)
11:15	12:45	Session 22: Virus diseases & Phytoplasma	Nefertiti	Mohammed Al-Saleh (Saudi Arabia)
11:15	12:45	Session 23: Fungal Diseases	Sphinx	Mahmoud Hassan (Syria)
11:15	12:45	Session 24: Economic Entomology	Luxor	Abdelsattar Aref Ali (Iraq)
12:45	14:15	Lunch Break	Hotel Restaurant	
14:15	15:45	Session 25: Fungal Diseases	Nefertiti	Mohammed A. Fayyadh (Iraq)
14:15	15:45	Session 26: Biological Control	Sphinx	Ahmad M. Almomany (Jordan)
14:15	15:45	Session 27: Economic Entomology	Luxor	Habiba Glida (Tunisia)
15:45	16:15	Coffee Break	Cleopatra	
16:15	17:30	Session 28: Chemical Pesticides	Nefertiti	Ikbal Chaieb (Tunisia)
16:15	17:30	Session 29: Biological Control	Sphinx	Mejda Daami-Remadi (Tunisia)
16:15	17:30	Session 30: Beneficial Insects	Luxor	Noureddine Adjlane (Algeria)
18:00	19:00	Election of New ASPP Executive Committee	Luxor	
20:00	22:00	Congress Dinner		

Thursday, 20 October 2022

08:30-09:30	Symposium III: Research and Innovation for Sustainable Crop Protection		
	Room: Nefertiti		Chairperson: Khaled Makkouk (Lebanon)
08:30	The challenges of automatic counting and identification of insect threats using smart technology. James R Bell , <i>Rothamsted Research, Harpenden, United Kingdom (S7)</i>		
09:00	How to cope with resistance to insecticides to improve pest management. Emanuele Mazzoni , <i>Department of Sustainable Crop Production, Faculty of Agriculture, Food and Environmental Sciences – Università Cattolica del SacroCuore – Piacenza, Italy (S8)</i>		
09:30-10:00	Coffee Break		
	Room: Cleopatra		
10:00-11:15	Session 19: Research Coordination Room: Nefertiti Chairperson: Baldissera Giovani (France)	Session 20: Economic Entomology Room: Sphinx Chairperson: Hassan Dahi (Egypt)	Session 21: Biological Control Room: Luxor Chairperson: Abdulhamid Al-Riyami (Oman)
10:00	The Euphresco network and its role in the coordination of plant health research activities in the Mediterranean area. Giovani Baldissera , European and Mediterranean Plant Protection Organization, (EPPO) Paris, France (RC1)	Some invasive pests of the Iraqi agroecosystem. Mohammed Zaidan Khalaf , <i>Integrated Pest Control Research Center, Directorate of Agricultural Research, Ministry of Science & Technology, Baghdad, Iraq (EN17)</i>	The usage of non-crop habitats by aphids and their parasitoids in Biskra province (Algeria). Souad Tahar-Chaouch , <i>Department of Agronomy, Faculty of Exact and Natural Sciences, University of Biskra, Algeria (BC13)</i>
10:15	Plant health research priorities for the Mediterranean region. Anna Maria D'Onghia , <i>CIHEAM of Bari (IAMB), via Ceglie 9, 70010 Valenzano, Bari, Italy (RC2)</i>	Life cycle study of <i>Casama innotata</i> on <i>Acacia horrida</i> in southern Tunisia. Omayma Laajimi , <i>University of Carthage, National Institute for Research in Rural Engineering Water and Forest (INRGREF), Ariana, Tunisia (EN19)</i>	Morphological and molecular characterization of <i>Psytalia</i> sp. (Braconidae) a parasitic Hymenoptera of peach fruit fly <i>Bactrocera zonata</i> Saunders. Manal H. Elbashir , <i>Agricultural Research Corporation (ARC), IPMRC National Insect Museum, Sudan (BC14)</i>
10:30	Set up of reliable detection protocols for the specific identification of 'Candidatus phytoplasma phoenicium'. Majid Siampour , <i>Shahrekord University, Shahrekord, Iran (RC3)</i>	Insects associated with marula (<i>Sclerocarya birrea</i> A. Rich) in Kenya: Implications on indigenous tree species domestication. Sheillah Cherotich , <i>Genetic Resource Unit, World Agroforestry Centre, Nairobi, Kenya (EN20)</i>	Natural or classical biological control? Native and imported egg parasitoids and their potential to control pomegranate butterfly <i>Deudorix livia</i> Klug. Abdulhamid Al-Riyami , <i>School of Biosciences, University of Nottingham, Sutton Bonington Campus, UK (BC15)</i>
10:45	The citrus black spot in Tunisia: current status, research projects and main results to detect the infection of <i>Phyllosticta citricarpa</i> . Naima Boughalleb-M'Hamdi , <i>High Institute of Agronomy in Chott Mariem, LR21AGR05, University of Sousse, Tunisia (RC4)</i>	Larval competition on <i>Quercus afares</i> in the natural reserve of Ain Zana in northwestern Tunisia. Yaussra Mannai , <i>University of Carthage, National Research Institute of Rural engineering, Water and Forests (INRGREF), Ariana, Tunisia (EN21)</i>	Trophic relationships between aphids and their primary parasitoids in non-cultivated areas of Guelma, eastern Algeria. Hayet Aggoun , <i>Faculty of Exact Sciences and Natural and Life Sciences, Department of Agricultural Sciences of University of Biskra, Algeria (BC16)</i>
11:00		The black fig fly <i>Silba adipata</i> as an emerging pest in Tunisia: Preliminary data on geographic distribution, bioecology and damage. Khaled Abbas , <i>High Agronomic Institute of Chott-Mariem, Chott-Mariem, Sousse, Tunisia (EN22)</i>	Effect of different temperature regimes on some biological aspects of the parasitoid <i>Goniozus claripennis</i> Forster reared on larvae of greater wax moth and Mediterranean Flour Moth. Jasim Khalaf Mohammed , <i>Plant Protection Directorate, Ministry of Agriculture, Baghdad, Iraq (BC17)</i>

11:15-12:45	Session 22: Virus diseases & Phytoplasma Room: Nefertiti Chairperson: Mohammed Al-Saleh (Saudi Arabia)	Session 23: Fungal Diseases Room: Sphinx Chairperson: Mahmoud Hassan (Syria)	Session 24: Economic Entomology Room: Luxor Chairperson: Abdelsattar Aref Ali (Iraq)
11:15	Stolbur-bois noir in the near-east: <i>Convolvulus arvensis</i> bindweed and the planthopper vector <i>Hyalesthes obsoletus</i> host local 'Candidatus phytoplasma solani' strains in Egypt and Lebanon. Xavier Foissac , INRAE, University of Bordeaux, France (V11)	Varietal behavior of some chickpea genotypes to wilt disease induced by <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> . N. Rouag , Department of Agronomy, Faculty of Nature and Life Sciences, University of Ferhat Abbas Sétif-1, Algeria (F19)	A novel diterpene hydrocarbon identified from <i>Brassica</i> spp. seedlings, is mediating host location process of the herbivorous stink bug <i>Bagrada hilaris</i> . Mokhtar Abdulsattar Arif , Ministry of Agriculture, Directorate of Plant Protection, Baghdad, Iraq (EN23)
11:30	'Candidatus phytoplasma Omanense' as agent of grapevine yellows in Lebanon: infected <i>Convolvulus arvensis</i> bindweeds may act as reservoir and they also host infected polyphagous potential vectors. Elia Choueiri , Department of Plant Protection, Lebanese Agricultural Research Institute, Tal Amara, Zahlé, Lebanon (V12)	Genotyping by sequencing identified QTLs for Ascochyta blight resistance in chickpea. Fida Alo , International Center for Agricultural Research in the Dry Areas (ICARDA), Beirut, Lebanon (F20)	Invasive pests or new species on ornamental plant and their risk. Monia Kamel Ben Halima , Higher Agronomic Institute of Chott Mariem (ISA CM), University of Sousse, Tunisia (EN24)
11:45	Detection and differentiation of phytoplasma in Sultanate of Oman. Ali M. Al-Subhi , Department of Plant Sciences, Sultan Qaboos University, Al Khod, Sultanate of Oman (V13)	<i>Fusarium</i> species associated with chickpea wilt. Mariem Bouhadida , Field Crops Laboratory, University of Carthage, National Institute of Agricultural Research of Tunisia, Tunisia (F21)	Population dynamic of white grubs in Tunisia based on culture rotation. Habiba Glida Gnidez , Laboratory of Entomology, Higher School of Agriculture of El-Kef, El Kef, Tunisia (EN25)
12:00	Prevalence and genetic diversity of grapevine leafroll-associated virus-3 in Tunisian grapevines. Ilhem Selmi , Laboratory of Plant Protection, National Institute of Agronomic Research of Tunisia, Tunis (V14)	Prediction of alfalfa root rot disease severity under salinity conditions. Omar Hussein Hassan , Plant Pathology Department, Faculty of Agriculture, New Valley University, Egypt (F22)	Analysis of the volatile compounds of confused flour beetle <i>Tribolium confusum</i> du Val in wheat flour. Nagat Abuelnnor , Faculty of Agriculture, University of Tripoli, Tripoli, Libya (EN26)
12:15	Sanitation of a local Tunisian grapevine cultivar and studying of some parameters of 10 years sanitized Somaclonal plants. Badra Bouamama-Gzara , Center of Biotechnology of Borj-Cedria, Laboratory of Plant Molecular and Physiology, University of Carthage, Tunisia (V15)	Genetic diversity, mating types, and population structure of <i>Ascochyta rabiei</i> in IKR, Iraq. Rezan Ali , College of Agricultural Engineering Sciences, University of Sulaimani, Iraq (F23)	Combined effect of planting spaces, NPK fertilizer and Humic acid on the infestation rates of insect pests and rust disease on common bean plants. Fatma A. Mostafa , Plant pathology Research Institute, Egypt (EN27)
12:30	The citrus certification program in Tunisia. Nebiha Metoui , Centre Technique des Agrumes (CTA), Zaouiet Jedidi, Tunisia (V16)	Histopathological changes in mango <i>Mangifera indica</i> seedlings inoculated with <i>Ceratocystis manginecans</i> , the causal agent of mango sudden decline. Abdul Rehman , Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan (F24)	Biological and environmental study of maize stem insects in Syria. Randa Abou Tara , Faculty of Sciences, University of Damascus, Damascus, Syria (EN 28)
12:45-14:15	Lunch Break	Hotel Restaurant	
14:15-15:45	Session 25: Fungal Diseases Room: Nefertiti Chairperson: Mohammed A. Fayyadh (Iraq)	Session 26: Biological Control Room: Sphinx Chairperson: Ahmad M. Almomany (Jordan)	Session 27: Economic Entomology Room: Luxor Chairperson: Habiba Glida (Tunisia)
14:15	Molecular identification of <i>Fusarium</i> species associated with the phenomenon of wilt of tissue culture date palm offshoots and evaluation of silver nanoparticles and <i>Trichoderma longibrachitum</i> in their growth. Mohammed A. Fayyadh , Plant Protection Department, College of Agriculture, University of Basrah, Iraq (F29)	Various analyses of <i>Pterochloroides persicae</i> (Hemiptera: Lachninae) after exposure to the specialized parasitoid <i>Pauesia antennata</i> in peach orchards. Rihem Adouani Beltaeif , Higher Agronomic Institute of Chott Mariem (ISA CM), University of Sousse, Tunisia (BC18)	Insertion of mariner transposons into resistance gene of the cotton bollworm <i>Helicoverpa armigera</i> genome. Khoulood Klai , Laboratory of Biochemistry and Biotechnology, Faculty of Sciences of Tunis, University of Tunis El Manar, Tunisia (EN35)

14:30	Biodiversity of <i>Penicillium</i> isolates in Pakistan. Muhammad Nasir Subhani , Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan (F30)	Suppression of several plant pathogens using biological control agents and plant extracts. Omran Youssef , Department of Phytopathology, Institute of Phytomedicine, University of Hohenheim, Stuttgart, Germany (BC19)	Effects of different sowing date and spacing on insect pests infestation on cotton in Gezira, Sudan. Entisar Ahmed Osman Satii , Agriculture Research Corporation, Integrated Agricultural Pests Management Research Centre, Entomology Research Program, Wad Madani, Sudan (EN36)
14:45	Molecular characterization and pathogenic variation of <i>Fusarium</i> species associated with onion in Saudi Arabia. Mahmoud H. El-Komy , College of Food and Agricultural Sciences, King Saud University, Kingdom of Saudi Arabia (F31)	Dynamics and combined effect of soil nutrients and biotic factors on severity of chickpea <i>Fusarium</i> wilt. Moutassem Dahoua , Laboratory of Characterization and Valorization of Natural Resources, Faculty of Nature and Life Sciences, University of Bordj Bou Arreridj, Algeria (BC20)	Seasonal occurrence of <i>Caliothrips sudanensis</i> on some crops at Shendi area, River-Nile State, Sudan. Hassan Awad Hassan Mahgoub , Faculty of Science, University of Shendi, Shendi, River-Nile State, Sudan (EN37)
15:00	Identification of different <i>Alternaria</i> species isolated from the halophyte <i>Cakile maritima</i> belonging to different Tunisian bioclimatic regions. Besma Sghaier-Hammami , Institut National Agronomique de Tunisie, Université de Carthage, Tunis, Tunisia (F32)	Utilization of rhizobacteria and spent mushroom compost for the management of bacterial wilt of potato. Raees Ahmed , Department of Plant Pathology, University of Poonch Rawalakot, Pakistan (BC21)	Using morphological characteristics to distinguish between male and female pupae of the pink bollworm, <i>Pectinophora gossypiella</i> (Saunders). Ahmed Radwan , Plant Protection Department, Faculty of Agriculture, Ain Shams University, Cairo, Egypt (EN38)
15:15	First record of different <i>Fusarium</i> species associated with banana Panama disease in the Jordan valley. Ahmad Mohamad Almomany , School of Agriculture, The University of Jordan, Amman, Jordan (F33)	Biological potential of <i>Bacillus subtilis</i> V26 for the control of fusarium wilt and potato tuber dry rot caused by <i>Fusarium</i> species and promotion of plant growth. Saoussen Ben Khedher , Laboratory of Biopesticides, Centre of Biotechnology of Sfax, Tunisia (BC22)	Effect of low lethal dose of microwave radiation and host type on some biological factors of cowpea weevil <i>Callosobruchus maculatus</i> . Emad Qasim Al-Ebady , Plant Protection Department, College of Agriculture and Forestry, Mosul University, Iraq (EN39)
15:30	<i>Coniella granati</i> (Saccardo) causing twig dieback and fruit rot on pomegranate (<i>Punica granatum</i> L.) in Tunisia: Cultivar response and plant hosts. Hayfa Jabnoun-Khiareddine , Integrated Horticultural Production in the Tunisian Centre-East, Regional Research Centre on Horticulture and Organic Agriculture, University of Sousse, Tunisia (F34)	<i>Ascophyllum nodosum</i> extract and mycorrhizal colonization synergistically trigger immune responses in pea plants against rhizoctonia root rot and enhance plant growth and productivity. Younes M. Rashad , City of Scientific Research and Technological Applications (SRTA-city), Alexandria, Egypt (BC23)	Some aspects on the biology of the groundnut borer <i>Caryedon serratus</i> Olivier. Ahmed Abdel Moniem Abdel Razik , Agricultural Research Corporation (ARC), Integrated Agricultural Pests Management Research Centre, Gezira Research Station, Sudan (EN40)
15:45-16:15	Coffee Break		
	Room: Cleopatra		
16:15-17:30	Session 28: Chemical Pesticides Room: Nefertiti Chairperson: Ikbal Chaieb (Tunisia)	Session 29: Biological Control Room: Sphinx Chairperson: Mejda Daami-Remadi (Tunisia)	Session 30: Beneficial Insects Room: Luxor Chairperson: Nouredine Adjlane (Algeria)
16:15	Evaluation of certain neonicotinoid insecticides against the subterranean termites, <i>Anacanthotermes ochraceus</i> (Burmeister) workers under laboratory conditions in Egypt. Mahmoud Faker Mohamed Ali , Plant Protection Department, Faculty of Agriculture, The New Valley University, Egypt (CP9)	Effectiveness of secondary metabolites produced by plant-associated <i>Bacillus</i> strains in controlling fire blight disease. Dorra Ben Abdallah , Laboratory of biopesticides, Centre of Biotechnology of Sfax, Tunisia (BC24)	Metataxonomic survey of bacterial communities in honeybee colonies from Tunisia and Algeria. Chanez Naccache , Laboratory of Biochemistry and Biotechnology, Faculty of Sciences of Tunis, University of Tunis ElManar, Tunisia (B11)
16:30	Efficacy of 2,4-D, glyphosate and their mixtures on control of mesquite tree (<i>Prosopis julifloraswartz</i>). Thoria Ab-Talab , Agricultural Research Corporation, Plant Protection Center, Weed Research Program, Wad Medeni, Sudan (CP10)	Endophytic bacteria naturally associated with two wild solanaceous species showing growth promotion and fusarium wilt biocontrol abilities in tomato. Rania Aydi Ben Abdallah , Regional Research Centre on Horticulture and Organic Agriculture, University of Sousse, Chott-Mariem, Tunisia (BC25)	The army ants <i>Dorylus fulvus</i> (Dorylinae, Formicidae, Hymenoptera) attack honeybee hives <i>Apis mellifera</i> L. in Libya. Najat Ali Abuelnnor , Plant Protection Department, Faculty of Agriculture, University of Tripoli, Tripoli, Libya (B12)

16:45	Efforts to use soft pesticides for the control of insect pests as contribution towards green chemistry. Hayder Abdelgader , Agricultural Research Corporation, Integrated Agricultural Pests Management Research Center, Wad Medani, Sudan (CP11)	Activity assessment of some biological control agents and zinc and magnesium oxides nanoparticles against <i>Macrophomina phaseolina</i> causing charcoal rot disease of sesame. Hurria H. Al-Juboory , Department of Plant protection, College of Agriculture Engineering Sciences, University of Baghdad, Iraq (BC27)	Exploring the role of <i>Apis</i> and non- <i>Apis</i> insect visitors towards cross pollination, their influence on yield, oil content and other quality parameters of sunflower (<i>Helianthus annuus</i> L.) in Mardan, Khyber Pakhtunkhwa, Pakistan. Fazal Said , Department of Agriculture, Abdul Wali Khan University, Mardan, Pakistan (BI3)
17:00	Agricultural workers' knowledge, attitudes, and practice toward pesticides. Ali S. Al-Sarar , Department of Plant Protection, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (CP12)	Controlling the white mold disease of eggplant by using local formulas of <i>Metarhizium anisopliae</i> and <i>Beauveria bassiana</i> under greenhouse conditions. Neran Salem Aljarah , College of Agricultural Sciences, University of Baghdad, Iraq (BC28)	Bee viral diseases prevalent in Syria: a review and stimulating the immune system of the honeybee using plant extracts. Ahmad M. Mouhanna , Faculty of Agriculture, Damascus University, Syria (BI4)
17:15	Lethal and sublethal effects of insecticides on lepidopteran insect pests. Moataz A. M. Moustafa , Department of Economic Entomology and Pesticides, Faculty of Agriculture, Cairo University, Giza, Egypt (CP13)	<i>Trichoderma</i> spp. isolates as potential halotolerant agents for biocontrol of wheat root and crown rot in arid regions. Wassila Dendouga , Laboratory of Biodiversity of Ecosystem and Dynamic Production of Agriculture System in Arid Regions, University of Biskra, Algeria (BC29)	Contribution to the knowledge of apple pollinators (Rosaceae) in the region of southern Algeria (Biskra). Leila Bendifallah , Laboratory of Soft Technologies, Valorization, Physico-chemistry of Biological Materials and Biodiversity, Faculty of Sciences, M'hamed Bougara University of Boumerdes, Algeria (BI5)
18:00-19:00	Election of New ASPP Executive Committee		Room: Luxor
20:00-22:00	Congress Dinner		

Friday, 21 October 2022

Program Summary

From	To	Session Name	Place	Chairperson
08:30	09:30	Symposium IV	Nefertiti	Bouزيد Nasraoui (Tunisia)
09:30	10:00	Coffee Break	Cleopatra	
10:00	11:30	Session 31: Pest Surveillance	Nefertiti	Laura Mugnai (Italy)
10:00	11:30	Session 32: Fungal Diseases	Sphinx	Ali Kareem Al-Taae (Iraq)
10:00	11:30	Session 33: Plant Extracts	Luxor	Olfa Bachrouh (Tunisia)
11:30	12:45	Session 34: Virus Diseases	Nefertiti	Elia Choueiri (Lebanon)
11:30	12:45	Session 35: Biological Control	Sphinx	Abdalla A. Satti (Sudan)
11:30	12:45	Session 36: Miscellaneous	Luxor	Yasser Abobakr (Saudi Arabia)
13:00	14:30	Lunch Break	Hotel Restaurant	
14:30	16:00	Session 37: IPM & Mites	Nefertiti	Mohammed Zaidan Khalaf (Iraq)
14:30	16:00	Session 38: Weeds Control	Sphinx	M'hammed Bouallala (Algeria)
14:30	16:00	Session 39: Weeds Control	Luxor	Hassan Awad H. Mahgoub (Sudan)
16:00	16:30	Coffee Break	Cleopatra	
16:30	18:00	Poster viewing – Group 2 Fungal Diseases, Bacterial Diseases, Viral Diseases & Phytoplasma, Nematodes, Weeds, Chemical Pesticides, Climate Change & Plant Protection, Miscellaneous	Cesar	
18:30	19:30	Closing	Nefertiti	New ASPP President

Friday, 21 October 2022

08:30-09:30	Symposium IV: Application of Behavioral Control Tools as a Safe and Effective Alternative in Pest Management Room: Nefertiti Chairperson: Bouzid Nasraoui		
08:30	Role of pheromone applications in sustainable crop protection. Shaker Al-Zaidi , Russell IPM, UK (S9)		
09:00	Manipulation of plant pests host-finding and acceptance behavior: practical applications in IPM. Baldwyn Torto , <i>International Centre of Insect Physiology and Ecology (icipe), Behavioural and Chemical Ecology Unit, Nairobi, Kenya</i> (S10)		
09:30-10:00	Coffee Break Room: Cleopatra		
10:00-11:30	Session 31: Pest Surveillance Room: Nefertiti Chairperson: Laura Mugnai (Italy)	Session 32: Fungal Diseases Room: Sphinx Chairperson: Ali Kareem Al-Taae (Iraq)	Session 33: Plant Extracts Room: Luxor Chairperson: Olfa Bachrouch (Tunisia)
10:00	Precision surveillance systems for early detection of regulated diseases of fruit tree crops in the Mediterranean region. Anna Maria D'Onghia , <i>Centre International des Hautes Etudes Agronomiques Méditerranéennes (CIHEAM) of Bari, Italy</i> (PS1)	Using soil solarization for the control of soil borne plant pathogens in north-eastern Libya. Nwara Ali Mohamed , <i>Plant protection Faculty of Agriculture, Omar El Mukhtar, Libya</i> (F35)	Bioinsecticidal activity of the crude ethanolic extract of the Algerian <i>Asclepiadaceae solenostemma</i> argel and its effect on midgut and nutritional behavior of the fifth instar larvae of the migratory locust. Fatma Acheuk , <i>Laboratory of Valorization and Conservation of Biological Resources, University of Boumerdes, Boumerdes, Algeria</i> (EX11)
10:15	Early detection of emerging diseases: a focus on <i>x. Fastidiosa</i> outbreaks in the Mediterranean basin. Blanca B. Landa , <i>Institute for Sustainable Agriculture (IAS), Spanish National Research Council (CSIC), Córdoba, Spain</i> (PS2)	Evaluation of sodium bicarbonate salt for the control of powdery mildew (<i>Levillula taurica</i>) and early blight (<i>Alternaria altnata</i>) diseases in tomato. Suad Abdel Gamiel Mohamed Ahmed , <i>Agricultural Research Corporation, Wad Medani, Sudan</i> (F36)	The potency of six plant extracts using mars 6 - microwave digestion system as biocontrol agents against the stored grain insect pest <i>Sitophilus granarius</i> L. Mohamed Izzat Al Ghannoum , <i>School of Natural & Environmental Sciences, Newcastle University, UK</i> (EX12)
10:30	Surveillance and preparedness strategies for exotic citrus pests in the EU. Antonio Vicent , <i>Centre de Protecció Vegetal i Biotecnologia, Institut Valencià d'Investigacions Agràries (IVIA), Moncada, Spain</i> (PS3)	Evaluation of the effect of biochar and compost as soil organic amendment against early blight (<i>Alternaria solani</i>) in tomato. Muhammad Taqqi Abbas , <i>Institute of Agricultural Sciences University of the Punjab, Lahore Quaid-i-Azam Campus, Lahore, Punjab, Pakistan</i> (F37)	Eco-friendly biocontrol of root-knot nematode <i>Meloidogyne incognita</i> using Khella (<i>Ammi majus</i>) fresh leaf and flower residues extracts on cowpea. Mahmoud M.A. Youssef , <i>Plant Pathology Department, Nematology Lab., National Research Centre, Cairo, Egypt</i> (EX13)
10:45	<i>Fusarium oxysporum</i> f.sp. <i>cubense</i> tropical race 4 on bananas in the NENA region. Thaer Yaseen , <i>Regional Office for the Near East and North Africa Region (RNE), Food and Agriculture Organization of the United Nations (FAO), Cairo, Egypt</i> (PS4)	Efficacy of plant resistance elicitor salicylic acid against <i>Cephalosporium maydis</i> and its exogenous application for controlling late wilt disease of maize. Ibrahim E. Elshahawy , <i>Plant Pathology Department, National Research Centre, Cairo, Egypt</i> (F38)	Effect of some plant extracts and bacterial strains of <i>bacillus thuringiensis</i> on the control of nematodes which attack tomatoes. Kenda Hamade Al Mohammed , <i>General Commission for Scientific Agricultural Research (GCSAR), Lattakia, Syria</i> (EX14)
11:00		Bayoud date palm epidemiology in Algeria: spread factors and protection measures needed in contaminated oases and means of preventing spread to uncontaminated groves. Ibrahim Elkhailil Benzohra , <i>Experimental Station for Biophysical Environment, Naama, Centre for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra, Algeria</i> (F39)	Effectiveness of essential oils on filamentous fungi "case of <i>Rosmarinus officinalis</i> L. against <i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> . Noureddine Boulenouar , <i>Phytochemistry & Organic Synthesis Laboratory, Tahri Mohamed Mohamed University, Bechar, Algeria</i> (EX16)

11:15		Relationship of <i>Colletotrichum</i> species in causing sugarcane red rot in Pakistan. Waqas Raza Arshad , <i>Sugarcane Research and Development Board Punjab, Pakistan (F25)</i>	Seed coating with plant extracts and beneficial microorganisms, stimulates defense response against Septoria leaf blotch and fusarium crown rot in durum wheat. Walid Hamada , <i>Laboratory of Genetics and Cereal Breeding, National Agronomic Institute of Tunis, Tunisia (EX17)</i>
11:30-13:00	Session 34: Virus Diseases Room: Nefertiti Chairperson: Elia Choueiri (Lebanon)	Session 35: Biological Control Room: Sphinx Chairperson: Abdalla A. Satti (Sudan)	Session 36: Miscellaneous Room: Luxor Chairperson: Yasser Abobakr (Saudi Arabia)
11:30	Possibility of converting the food supplement produced from the fungus <i>Ganoderma lucidium</i> into a nanoparticle and measuring its efficacy in reducing the effect of squash mosaic virus infection of zucchini crop in Iraq. Maath Abdul Wahab Al-Fahad , <i>Department of Plant Protection, Faculty of Agriculture, Tikrit University, Iraq (V5)</i>	Use of <i>Trichoderma</i> spp. isolates against <i>Fusarium oxysporum</i> isolates <i>in vitro</i> and under greenhouse conditions. Khayriyah Misbah Dayab , <i>National Center for Plant Protection and Plant Quarantine, Tripoli, Libya (BC30)</i>	Nanobiotechnology applications in Plant Protection. Kamel A. Abd-Elsalam , <i>Agricultural Research Center, Plant Pathology Research Institute, Giza, Egypt (MI3)</i>
11:45	A review on the novel discoveries of Begomoviruses in Oman. Muhammad Shafiq Shahid , <i>Department of plant sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Al-Khod, Oman (V9)</i>	The effect of adding fermented manure and <i>Trichoderma harzianum</i> on reducing chickpea wilt disease caused by <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> . Basima Ahmed Barhoum , <i>The General Commission for Scientific Agricultural Research, Lattakia, Syria (BC31)</i>	Plant pathogens culture collections: a prerequisite for food security and food safety. Azza Rhaïem , <i>Laboratory of Microorganisms, National Gene Bank, Tunisia (MI4)</i>
12:00	Sanitary status of stone fruits in Palestine. Raed Alkowni , <i>Department of Biology and Biotechnology, Nablus, Palestine (V10)</i>	An overview on the <i>Trichoderma</i> species isolated from Algerian soils and their application in biological control of crop diseases. Houda Bouregghda , <i>Laboratory of Phytopathology and Molecular Biology, Department of Botany, the National Higher School of Agronomy (ENSA), El-Harach, Algiers, Algeria (BC32)</i>	The role of resistance induction as a strategy in plant protection and crop productivity improvement: case studies from Syria. Ahmad M. Mouhanna , <i>Faculty of Agriculture, Damascus University, Damascus, Syria (MI5)</i>
12:15	Viruses causing yellowing and stunting symptoms in chickpea and applying integrated eco-friendly approaches for its effective control in Syria. Nader Y. Asaad , <i>General Commission for Scientific Agricultural Research (GCSAR), Al-Ghab, Hama, Syria (V18)</i>	Combined application of fungal bioagent together with natural compounds for plant growth promotion and management of <i>Rhizoctonia solani</i> infecting pepper. Petrisor Cristina , <i>Research and Development Institute for Plant Protection, Blvd, Bucharest, Romania (BC33)</i>	The relationship between biodiversity in soil fauna and crop cultivation with different methods in Egypt. Marguerite A. Rizk , <i>Plant Protection Research Institute, Agriculture Research Center, Dokki, Egypt (MI6)</i>
12:30	Comparison of serological and molecular methods for diagnosis of viruses causing yellowing and stunting symptoms for the pulse crops. Abdul Rahman Moukahel , <i>International Center for Agricultural Research in the Dry Areas (ICARDA), Terbol Station, Lebanon (V19)</i>	Combined application of antagonistic <i>Trichoderma asperellum</i> and silicon nutrition triggers tomato resistance to fusarium crown and root rot and regulates rhizosphere microbes. Mahmoud H. El-Komy , <i>Department of Plant Protection, College of Food and Agricultural Sciences, King Saud University, Riyadh, Saudi Arabia (BC34)</i>	The effect of vermicompost tea on plant protection. Margit Olle , <i>NPO Veggies Cultivation, Kesa 60, Tartu, 50115, Estonia (MI7)</i>
12:45	The most important factors which influence the epidemiology of Potato virus Y (PVY) in potato fields in Algeria. Linda Allala-Messaoudi , <i>Département de Botanique- École Nationale Supérieure Agronomique, El-Harrach, Algiers, Algeria (V21)</i>	Biocontrol of the carob moth <i>Ectomyelois ceratoniae</i> in Tunisian Oases. Samah Ben Chaaban , <i>Centre régional de recherches en agriculture oasienne, Degache, Tunisia (BC35)</i>	Agricultural land mollusc pests in Saudi Arabia. Yasser Abobakr , <i>Department of Plant Protection, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia (MI8)</i>

13:00-14:30	Lunch Break	Hotel Restaurant	
14:30-16:00	Session 37: IPM & Mites Room: Nefertiti Chairperson: Mohammed Zaidan Khalaf (Iraq)	Session 38: Weeds Control Room: Sphinx Chairperson: M'hammed Bouallala (Algeria)	Session 39: Biological Control Room: Luxor Chairperson: Hassan Awad H. Mahgoub (Sudan)
14:30	Insect pests management on vegetables crops and stored products: achievements, challenges and future prospects in Sudan. Omer A. Elnour , Entomology Research Program Coordinator, ARC, Wad Madani, Sudan (IPM3)	Effect of aqueous extracts on germination and development of the parasitic plant <i>Cuscuta campestris</i> . Abdelmoumen Taoutaou , Department of Botany, Ecole Nationale Supérieure Agronomique, Algiers, Algeria (W1)	Occurrence of <i>Spodoptera littoralis</i> nucleopolyhedrovirus (SpliNPV) and its field-biocontrol applications in Syria. Mayadah Haj Ali , National Commission for Biotechnology (NCBT), Damascus, Syria (BC37)
14:45	IPM practices for the management of cotton pink boll worm in Pakistan. Muhammad Tariq Sultan , Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan (IPM4)	Diversity and effect of weeds on wheat crop grown under the center pivot irrigation system in Zaouiet Kounta region, Adrar, Algeria. M'hammed Bouallala , Laboratory of Saharan Natural Resources, Ahmed Draia University, Adrar 01000 Adrar, Algeria (W2)	Aphids and their natural enemies in prunus orchards in Tunisia. Zouari Sana , Research Unit, Conventional and Organic Vegetable Crops, Higher Agricultural Institute of Chott Mariem, University of Sousse, Tunisia (BC38)
15:00	Role of integrated pest management in ecological balance. Khatereh Qane , Department of Soil Science, CCS Haryana Agricultural University, Hisar, India (IPM5)	Genetic Diversity and Population Structure of 18 Tunisians <i>Orobancha foetida</i> populations using RADseq. Amal Boukteb , Faculty of Science of Tunis, University of Tunis El Manar, Tunis, Tunisia (W4)	<i>Beauveria bassiana</i> endophytically colonize pumpkin plant following different inoculation methods. Samir Khalaf Abdullah , Plant Protection Department, College of Agricultural Engineering Sciences, Duhok University, Kurdistan region, Iraq (BC39)
15:15	Biopesticides as a fundamental tool for integrated pest management. Sova Yadav , Department of soil science CCS Haryana Agricultural University, Hisar, India (IPM6)	Allelopathic effects of plant extracts on seed germination of some invasive weeds. Mohammed Hafsi , Department of Biology, Faculty of Nature and Life Sciences, Mascara University, Mascara, Algeria (EX15)	Natural enemies recorded on the fall armyworm <i>Spodoptera frugiperda</i> (Je Smith) in Syria. Abdulnabi Basheer , the Arab Center for Studies of Arid Zones and Dry Lands (ACSAD), Damascus, Syria (BC60)
15:30	Genetic engineering: a promising technique for pest control. Lovneesh Choudhary , Department of Genetics & Plant Breeding, India (MI9)		Study and analysis of selection index values of the predator <i>Cryptolaemus montrouzieri</i> Mulsant using five lines of artificial selections through 12 cross-breeding generations. Louai Asslan , Faculty of Agriculture, Damascus University, Damascus, Syria (BC9)
15:45	Effect of three <i>Capsicum annuum</i> L. Cultivars on the life of broad mites <i>Polyphagotarsonemus latus</i> . Feryal Bahjat Hermize , Department of Plant protection, College of Agriculture Engineering Sciences, University of Baghdad, Iraq (M1)		Enhancing systemic resistance in faba bean (<i>Vicia faba</i> L.) to Bean yellow mosaic virus via soil application and foliar spray of nitrogen-fixing <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . Ahmed Abdelkhalek , Plant Protection and Biomolecular Diagnosis Department, ALCRI, City of Scientific Research and Technological Applications, Alexandria, Egypt (V8)
16:00-16:30	Coffee Break	Room: Cleopatra	
16:30-18:00	Poster viewing – Group 2 Fungal Diseases, Bacterial Diseases, Viral Diseases & Phytoplasma, Nematodes, Weeds, Chemical Pesticides, Climate Change & Plant Protection, Miscellaneous	Room: Cesar	
18:30-19:30	Closing	Room: Nefertiti	Chairperson: New ASPP President

Posters Group (2)

Fungal Diseases, Bacterial Diseases, Viral Diseases & Phytoplasma, Nematodes, Weeds, Chemical Pesticides, Climate Change & Plant Protection, Miscellaneous

Posters should be placed on the poster stands on Thursday (October 20, 2022) till Friday evening (October 21, 2022)

Poster session in the presence of authors in the Posters Hall on October 21, 2022 at 16:30

NO.	Poster title
P64	Control of cucumber fusarium root rot disease caused by <i>Fusarium solani</i> by using some environment friendly materials. Aalaa K. Hassan , Department of Plant Protection, College of Agricultural Engineering Sciences, University of Baghdad, Iraq (F40)
P65	Effect of sowing date and genotype on fusarium wilt epidemic of chickpea under field conditions in northern Syria. Maysaa Taofik Alloosh , Faculty of Agriculture, Al Baath University, Homs, Syria (F41)
P66	Biocontrol efficiency of <i>Trichoderma harzianum</i> against olive <i>Verticillium</i> wilt. S. Benouzza , Department of Biotechnology, Faculty of Sciences, University of Oran, 1 Ahmed Ben Bella, Algeria (F42)
P67	Survey and distribution of <i>Phytophthora</i> species, that threaten plants and trees in Syria. Abdul Rahman Khafateh , Faculty of Agriculture, Tishreen University, Latakia, Syria (F43)
P68	Genetic diversity of <i>Fusarium oxysporum</i> associated with tomato diseases in Algeria. Ali Debbi , Department of Botany, National Superior School of Agronomy, Algiers, Algeria (F44)
P69	Analysis of the pathogenic mycoflora of barley seeds: occurrence of two new species, <i>Curvularia spicifera</i> and <i>Curvularia lunata</i> in Algeria. Asma Necaibia , Department of Botany, ENSA, El Harrach, Algiers, Algeria (F45)
P70	The impact of taro leaf blight caused by <i>Phytophthora colocasiae</i> in the Maldives. Rifaath Hassan , The Research Centre, The Maldives National University, Maldives (F46)
P71	Isolation and cultivation of the fungus and the alga of the lichen <i>Xanthoria parietina</i> infecting citrus trees in Egypt. Ali Mohamed Koriem , Faculty of Technology and Development, Zagazig University, Egypt (F47)
P72	The first report of <i>Pestalotia rhododendri</i> causing crown rot disease of strawberry in Iraq. Huda Hazim Wafi Al-Taae , College of Agriculture and Forestry, University of Mosul, Iraq (F48)
P73	Use of calcium carbide in reduction of aflatoxin B1 in maize grain. Oadi N. Matny , Department of Plant Protection, College of Agriculture, University of Baghdad, Iraq (F49)
P74	Identification and study of pathogenicity of fungal species associated with wheat seedling blight in southern Algeria. Anwaar Djedouani , Department of Botany, The National Higher School of Agronomy, El Harrach, Algiers, Algeria (F50)
P75	Biochemical changes in the leaves of faba bean (<i>Vicia faba</i>) cultivars infected with the fungal pathogen botrytis fabae. Noura Mohammed Bouazzoum , Plant Protection Department, Faculty of Agriculture, Omar El Mukhtar, Al-Beida, Libya (F51)
P76	Crop sequences as a tool for managing soil populations of <i>Fusarium culmorum</i> and wheat foot and root rot in Tunisia. Eya Khemir , National Agronomic Institute of Research of Tunisia, University of Carthage, Tunisia (F52)
P77	Spatial distribution of Fusarium foot and root rot of cereals according to climatic regions in Tunisia. Eya Khemir , National Agronomic Institute of Research of Tunisia, University of Carthage, Tunis, Tunisia (F53)
P78	Efficacy of olive mill wastewater (OMWW) in controlling <i>Verticillium dahliae</i> Kleb. the causal agent of olive wilt disease <i>in vitro</i> . Khayam Muhrez , General Commission for Scientific Agricultural Research, Latakia, Syria (F54)
P79	Fusarium foot and root rot of wheat: effect of seed treatments on disease development and agronomic characters in relation to infection level. Chedi Gasmi , Institut National des Grandes Cultures, Boussalem, Jendouba, Tunisia (F55)
P80	Effect of urea sprays on defoliation and decomposition of healthy and scabbed apple leaves. Ali Sami Ali Al-Mzory , Plant Protection Department, College of Agricultural Engineering Sciences, University of Duhok, Kurdistan Region, Iraq (F56)
P81	Prevalence of <i>Pythium aphanidermatum</i> in irrigation water of some farms in Dawmat Al-Jandal, Al-Jouf, Saudi Arabia, and the possibility of controlling damping-off disease of cucumber using <i>Pythium oligandrum</i> isolated from the same region. Shaima Mohamed Nabil Moustafa , Biology Department, College of Science, Jouf University, Sakaka, Saudi Arabia (F57)
P82	Evaluation of Amistar® (Azoxystrobin a) against <i>Fusicladium oleagineum</i> (= <i>Spilocaea oleagina</i>) fungus the causal agent of olive leaf spot or peacock eye spot disease. Dalia Ali , Department of Microbiology, Faculty of Sciences, Ain Shams University, Egypt (F58)
P83	Control of helminthosporiosis in <i>Oryza sativa</i> varieties by treatment with 24-epibrassinolide. Kuate Tueguem William Norbert , Laboratory of Biotechnologies, Phytopathology and Microbiology Unit, University of Yaounde I, Cameroon (F59)
P84	Detection of fungi and their toxins affecting fig fruit quality. Marwa A. Younos , Food Toxicology and Contaminants Department, National Research Centre, Cairo, Egypt (F60)

NO.	Poster title
P85	Evaluation of double haploid lines of common wheat for yellow and stem rust resistance and identification of closely linked markers and genes associated with yellow and stem rust resistance through linkage mapping and QTL analysis. Sawsan A. Tawkaz , <i>International Centre for Agricultural Research in the Dry Areas (ICARDA), Beirut, Lebanon (F61)</i>
P86	Arar (<i>Tetrachlinis articulata</i>) dieback in Tunisia: the causal agent and biocontrol. Sawssen Hlaiem , <i>University of Carthage, National Institute for Research in Rural Engineering Water and Forest (INRGREF), Ariana, Tunisia (F62)</i>
P87	Identification of new chickpea genotypes resistant to fusarium wilt (<i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>). Tawffiq Istanbuli , <i>International Center for Agricultural Research in the Dry Areas (ICARDA), Terbol Station, Lebanon (F63)</i>
P88	Studying the resistance and reaction type for number of faba bean genotypes against <i>Uromyces viciae-fabae</i> and identification virulent Syrian isolates. Shoula Aboud Kharouf , <i>College of Agriculture, Al-Furat University, Deir Ezzor, Syria (F65)</i>
P89	Survey for the bacterium <i>Xylella fastidiosa</i> in olive trees at the Al-Khums region, western Libya. Adel M. Elmaghrabi , <i>Biotechnology Research Center, Tripoli, Libya (B11)</i>
P90	Effect of citrus stubborn disease (<i>Spiroplasma citri</i>) on the chemical composition of orange (<i>Citrus sinensis</i> L. Osbeck) fruit essential oils. Kinza Benazzouz , <i>Faculty of Biological and Agricultural Sciences, Mouloud Mammeri University of Tizi-Ouzou, Tizi-Ouzou, Algeria (B12)</i>
P91	Membrane capture technique (MCT), a user-friendly assay for <i>Xylella fastidiosa</i> diagnosis. Raied Abou Kubaa , <i>CNR, Institute for Sustainable Plant Protection, Bari, Italy (B13)</i>
P92	Characterization of the first isolates of <i>Xanthomonas campestris</i> pv. <i>campestris</i> in Algeria. Samia Laala , <i>ENSA, Ecole Nationale Supérieure d'Agronomie, El Harrach, Alger, Algeria (B14)</i>
P93	Assessments on the presence of <i>Xylella fastidiosa</i> potential vectors in Lebanon. Yara El Khoury , <i>CNRS-L, National Council for Scientific Research in Lebanon, National Center of Marines Sciences, Jounieh, Lebanon (B15)</i>
P94	Molecular characterization of some strains of the bacteria <i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i> isolated from several host plants. Randa Abou Tara , <i>Faculty of Science, Damascus University, Syria (B16)</i>
P95	Characterization of Lettuce big-vein associated virus and Mirafiori lettuce big-vein virus infecting lettuce in Saudi Arabia. M.A. Al-Saleh , <i>Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Saudi Arabia (V23)</i>
P96	Preliminary characterization of Potato virus Y (PVY) populations in Algerian potato fields. Linda Allala-Messaoudi , <i>Laboratoire de Phytopathologie et de Biologie Moléculaire- Département de Botanique- École Nationale Supérieure Agronomique, El-Harrach, Algiers, Algeria (V24)</i>
P97	Study of some grapevine viruses in Algeria. Anfel Djenaoui , <i>Laboratory of Phytopathology and Molecular Biology, ENSA, El-Harrach, Algiers, Algeria (V25)</i>
P98	Prevalence of three viruses on pepper and characterization of Cucumber mosaic virus isolates from cap bon region in Tunisia. Wafa Khaled Gasmi , <i>Plant Protection Laboratory, National Institute of Agricultural Research of Tunisia (INRAT), University of Carthage, Ariana, Tunisia (V26)</i>
P99	Effect of growth biocatalysts on the resistance of faba bean plants to Bean yellow mosaic virus (BYMV). Mohammad Al Khalaf , <i>Aleppo Research Center, Aleppo, Syria (V27)</i>
P100	Diversity and influence of some aphid species as vectors of potato viruses. N. Benramdane , <i>National Higher School of Agronomy, Department of Agricultural and Forestry Zoology, El Harrach, Algiers (V28)</i>
P101	First survey of beet viruses and their relative vectors on beet (<i>Beta vulgaris</i>) species in Tunisia. Sabrine Nahdi , <i>Higher School of Agriculture of Kef (ESAK), Tunisia (V29)</i>
P102	In vitro meristem tip culture and thermotherapy of fig mosaic sanitation in Dottato Bianco fig variety of Cosenza area. Vincenzo Roseti , <i>Dipartimento di Scienze del suolo, della pianta e degli alimenti (DiSSPA), Università degli Studi di Bari "Aldo Moro", Bari, Italy (V30)</i>
P103	A study on comparative salinity tolerance under field conditions of clementine (<i>Citrus clementina</i> L.) "Hernandina" and orange (<i>Citrus sinensis</i> L.) "Washington navel" grafted on five novel rootstocks tolerant to Citrus tristeza virus. Hend Askri , <i>Laboratory of Valorisation of Non-conventional Water, National Research Institute for Rural Engineering, Water and Forestry (INRGREF), El Menzah, Tunisia (V31)</i>
P104	Molecular insights into Citrus tristeza virus (CTV) genotypes recovered from Syria. Raied Abou Kubaa , <i>CNR, Institute for Sustainable Plant Protection, Bari, Italy (V32)</i>
P105	Characterization of faba bean and chickpea viruses causing yellowing and stunting symptoms in Tunisia. Samia Mghandef , <i>Faculté des Sciences de Bizerte, Bizerte, Tunisia (V33)</i>
P106	Occurrence of stone fruit viruses in Tunisian germplasm collections. Ilhem Selmi , <i>Laboratory of Plant Protection, National Institute of Agronomic Research of Tunisia (INRAT), Tunis, Tunisia (V34)</i>
P107	Barley yellow dwarf virus in maize in Tunisia: detection and molecular characterization. Imen Hamdi , <i>Laboratoire de Protection des Végétaux, Institut National de la Recherche Agronomique de Tunisie, El Menzah, Tunisie (V35)</i>

NO.	Poster title
P108	Study of fig mosaic disease in Tunisia: relation between viruses and symptoms expression. Manel Elair , <i>Laboratoire de Protection des Végétaux, Institut National de la Recherche Agronomique de Tunisie, Université Tunis-Carthage, Tunis, Tunisia (V36)</i>
P109	Molecular detection of Black queen cell virus (BQCV) and <i>Nosema ceranae</i> in bumblebees in Lebanon. Raied Abou Kubaa , <i>CNR, Italian National Research Council, Institute for Sustainable Plant Protection, Bari, Italy (V37)</i>
P110	Categorization of available cucumber genotypes against Zucchini yellow mosaic virus and root-knot nematode (<i>Meloidogyne incognita</i>). Hira Manzoor Ahmed , <i>Department of Plant Pathology, Pir Mehr Ali Shah Arid Agriculture University Rawalpindi, Pakistan (V38)</i>
P111	Prevalence of Fig mosaic virus (FMV) on figs in southern Iraq. Nabeel Abdalla Al-Kaeath , <i>Laboratory of Plant Protection, National Agronomic Research Institute (INRAT), IRESA-University of Carthage, Tunisia (V39)</i>
P112	Detection of Grapevine fleck virus in central Algeria. Imene Mahdid , <i>Laboratory of Phytopathology and Molecular Biology, ENSA, El-Harrach, Algiers, Algeria (V40)</i>
P113	RDR6 and combined activities of DCL2 and DCL4 are involved in RNAi-based resistance to potato viruses induced by topical application of dsRNA. N. Khamessi , <i>Laboratory of Horticulture, Potato Program, National Institute of Agronomic Research of Tunisia, Ariana, Tunisia (V41)</i>
P114	The effect of soil solarization and biofumigation on naturally infested soil with root knot nematode <i>Meloidogyne incognita</i> under protected cultivation conditions. Mahmoud A. Musbah , <i>Higher and Intermediate Agricultural Institute in Ghiran, Tripoli, Libya (N10)</i>
P115	Development of agricultural nematology in Algeria. Nadia Tirchi , <i>University Djilali Bounaama of Khemis Miliana, Faculty of Natural and Life Sciences and Earth Sciences, Department of Agronomy, Algeria (N11)</i>
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