

# IMPPC2019 PROGRAM AT A GLANCE

## 10 APRIL 2019 WEDNESDAY

08:00 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:30 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:00-17:30 REGISTRATION

09:15-10:00 OPENING CEREMONY

10:00-11:15 OPENING LECTURE

**O1. Honorary Lecture:** "A quarter century in the labyrinths of immunometabolism"

*Gökhan S. Hotamisligil*

*Hall 1*

**Moderator:** Umut Toprak

11:15-11:45 COFFEE BREAK 

11:45-12:45 PLANT PATHOLOGY/NEMATODOLOGY  
SESSION 1

*Hall 1*

**Moderator:** John Jones

11:45-12:15 Pierre Abad **KEY**

**O2.** Plant Root-knot Nematode Interaction: a sophisticated dialogue

12:15-12:45 Manuel Mota **KEY**

**O3.** Pinewood nematode-microbe-plant-insect interactions, at a molecular level

11:45-12:45 ENTOMOLOGY/RNA INTERFERENCE  
SESSION 2

*Hall 2*

**Moderator:** Marek Jindra

11:45-12:15 Guy Smagghe **KEY**

**O4.** RNAi as a new technology in pest control: Current status and challenges

12:15-12:45 Luc Swevers **KEY**

**O5.** Virus-induced gene silencing in insects

12:45-14:00 LUNCH 

14:00-16:00 PLANT PATHOLOGY/ VIROLOGY  
SESSION 3

*Hall 1*

**Moderators:** Hanu R. Pappu-Kadriye Çağlayan

14:00-14:30 Heiko Ziebell **KEY**

**O6.** Nano goes viral - legume-infecting nanoviruses as a novel threat in central Europe

14:30-14:45 Bayram Çevik

**O7.** Comparison of the miRNAs profile of resistant and susceptible tomato cultivars in response to Tomato spotted wilt virus infection

14:45-15:00 Nawres A.Sadeq Al-Kuwaiti

**O8.** Diversity of begomoviruses infecting tomato and squash in Iraq

15:00-15:15 Mona Gazel

**O9.** Metagenomic analysis of *Cestrum elegans* small RNAs revealed presence of tomato chlorosis virus

14:00-16:00 ENTOMOLOGY/TOXICOLOGY  
SESSION 4

*Hall 2*

**Moderators:** David Heckel-Kamil Karut

14:00-14:30 Ke Dong **KEY**

**O13.** Knockdown resistance (kdr) to pyrethroid insecticides

14:30-15:00 John Vontas **KEY**

**O14.** Investigating the contribution of cytochrome P450s and target site mutations in insecticide resistance of major agricultural pests

15:00-15:15 Emre İnak **STU**

**O15.** Resistance status of *T. urticae* strains collected from vegetables in Turkey and screening for resistance mutations

15:15-15:30 Erhan Koçak

**O16.** Genetic structure of phosphine resistance and marker development in *Sitophilus* spp. (Coleoptera: Curculionidae) populations in Turkey

<p><b>15:15-15:30 Sevgi Coşkan</b>  <b>O10.</b> The Assessment of tomato genetic sources resistance to Tomato spotted wilt tospovirus (TSWV) and its distribution and genetic diversity in Turkey</p> <p><b>15:30-15:45 Pakize Gök Güler</b>  <b>O11.</b> Molecular diagnosis of pospiviroids in tomato seed specimens</p> <p><b>15:45-16:00 Zainul A. Khan</b>  <b>O12.</b> Molecular characterization of okra (<i>Abelmoschus esculentus</i>) infecting begomoviruses</p>	<p><b>15:30-15:45 Allah Bakhsh</b>  <b>O17.</b> Stacked insecticidal genes in potatoes exhibit enhanced resistance against Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Chrysomelidae: Coleoptera)</p> <p><b>15:45-16:00 Serkan Sugeçti STU</b>  <b>O18.</b> Biochemical effects of dietary oxfendazole on oxidative and antioxidative levels in hemolymph of <i>Galleria mellonella</i> L. (Lepidoptera: Pyralidae) larvae reared on artificial diet</p>
<p><b>16:00-16:15 SHORT COFFEE BREAK</b> ☕</p>	
<p><b>16:15-17:30 PLANT PATHOLOGY/ MYCOLOGY SESSION 5</b>  <b>Hall 1</b>  <b>Moderator: Sibel Derviş</b></p> <p><b>16:15-16:45 Eric Boa KEY</b>  <b>O19.</b> Promises, promises: does molecular plant protection deliver for small-scale farming?</p> <p><b>16:45-17:00 Filiz Ünal</b>  <b>O20.</b> Identification, pathogenicity and phylogenetic evaluation of <i>Rhizoctonia</i> species in turfgrass areas in Turkey</p> <p><b>17:00-17:15 Amjad Shahzad Gondal STU</b>  <b>O21.</b> <i>Anastomosis</i> groups of <i>Rhizoctonia solani</i> associated with tomato foot rot in Pothohar Region of Pakistan</p> <p><b>17:15-17:30 Duygu Mermer Doğu STU</b>  <b>O22.</b> Molecular identification of <i>Bremia lactucae</i> causing downy mildew in lettuce in Turkey</p>	<p><b>16:15-17:30 ENTOMOLOGY/METAMORPHOSIS SESSION 6</b>  <b>Hall 2</b>  <b>Moderator: John Vontas</b></p> <p><b>16:15-16:45 Xavier Bellés KEY</b>  <b>O23.</b> Regulation of insect metamorphosis with hormones, transcription factors and microRNAs</p> <p><b>16:45-17:15 Marek Jindra KEY</b>  <b>O24.</b> Interaction of insect juvenile hormones and JH-mimicking insecticides with the intracellular JH receptor</p> <p><b>17:15-17:30 Muhammad Faisal Shahzad</b>  <b>O25.</b> Characterization of CYP18A1 a key steroid hormone inactivation, is essential for metamorphosis in <i>Chilo suppressalis</i></p>
<p><b>08:30-17:30</b> Posters should be attached to the boards.</p> <p><b>17:45 DEPARTURE FROM CONGRESS CENTER TO HOTELS</b> 🚌</p> <p><b>19:30 FINAL DEPARTURE FROM HOTELS TO WELCOME COCTAIL</b> 🚌</p> <p><b>19:45-22:30 WELCOME COCKTAIL-ATO HALL</b></p> <p><b>21:30 DEPARTURE FROM WELCOME COCKTAIL TO HOTELS</b> 🚌</p> <p><b>22:00 DEPARTURE FROM WELCOME COCKTAIL TO HOTELS</b> 🚌</p> <p><b>22:30 FINAL DEPARTURE FROM WELCOME COCKTAIL TO HOTELS</b> 🚌</p>	

## 11 APRIL 2019 THURSDAY

07:30 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:00 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

### 08:30-10:15 PLANT PATHOLOGY/MYCOLOGY SESSION 7

Hall 1

Moderators: Mark Belmonte -Aziz Karakaya

08:30-09:00 Robert Brueggeman **KEY**

O26. The Barley-fungal pathogen molecular arms race: Translating basic research to the field

09:00-09:15 Arzu Çelik Oğuz

O27. A preliminary study of *Rhynchosporium commune* genetic diversity and mating type distribution in Turkey

09:15-09:30 Aslihan Günel

O28. N-glycosylation profiling of *Pyrenophora teres* f. *maculate*

09:30-09:45 Noureddine Ouair **STU**

O29. Distribution of ToxA, the necrosis virulence gene of tan spot agent in North African and Middle East growing wheat areas

09:45-10:00 Hamama-Iméne Lammari **STU**

O30. Occurrence and frequency of spot form and net form of net blotch disease of barley in Algeria

10:00-10:15 Tülin Sarıgül Ertek **STU**

O31. Molecular identification of *Phytophthora erythroseptica* causing pink rot of potato in Turkey

### 08:30-10:15 ENTOMOLOGY/ MODEL INSECTS SESSION 8

Hall 2

Moderators: Edward Blumenthal - Arzu Çelik Fuss

08:30-09:00 Bruno Lemaitre **KEY**

O32. How host parasite coevolution forged the *Drosophila* immune?

09:00-09:30 Ronald P. Kühnlein **KEY**

O33. Flying fat: storage lipid metabolism in the *Drosophila melanogaster* model insect

09:30-09:45 Gözde Güney **STU**

O34. Characterization of major proteins involved in the lipid metabolism of the Colorado Potato Beetle, *Leptinotarsa decemlineata*

09:45-10:00 Cansu Doğan **STU**

O35. Calcium-signaling/Lipid metabolism interaction: Characterization of the Store-operated calcium entry (SOCE) and Calcium-binding molecules in the fat body of Colorado Potato Beetle, *Leptinotarsa decemlineata*

10:00-10:15 Umut Toprak

O36. Comparative fat body transcriptomics and proteomics from feeding, aestivating and hibernating Wheat stink bug, *Aelia rostrata* (Hemiptera: Pentatomidae) adults

10:15-10:45 COFFEE BREAK 

### 10:45-12:45 PLANT PATHOLOGY/VIROLOGY SESSION 9

Hall 1

Moderators: Francisco Ochoa Corona- Bayram Çevik

10:45-11:15 Ozgur Batuman **KEY**

O37. Strategies to control the Huanglongbing (a.k.a. citrus greening) disease of citrus and its psyllid vector

11:15-11:30 Bengi Topkaya **STU**

O38. Quantification of Citrus chlorotic dwarf associated virus (CCDaV) in Sweet Orange and Mandarin

11:30-11:45 Büşra Fidancı **STU**

O39. Distribution and molecular detection of citrus psorosis virus (CPSV) based on coat protein gene in Çukurova region

### 10:45-12:30 ENTOMOLOGY/INSECT PATHOLOGY SESSION 10

Hall 2

Moderators: Yonggyun Kim- Remziye Nalçacıoğlu

10:45-11:15 Salvador Herrero **KEY**



O44. Plant priming and related metabolites influence the insect susceptibility to viral and bacterial entomopathogens

11:15-11:45 David Heckel **KEY**

O45. Combatting insect resistance to *Bacillus thuringiensis* toxins

11:45-12:00 Umesh K. Gautam **STU**

O46. Entomopathogenic fungus as potential biocontrol agent modulating production of vitellogenin protein in the firebug *Pyrrhocoris apterus*

<p><b>11:45-12:00 Behçet Kemal Çağlar</b>  <b>O40.</b> Genetic characterization and group analysis of <i>Spiroplasma citri</i> from citrus trees in Adana and Mersin provinces of Turkey</p> <p><b>12:00-12:15 H. Deniz Kocabağ STU</b>  <b>O41.</b> First report of blueberry red ringspot virus in pomegranate trees in Turkey</p> <p><b>12:15-12:30 Mehtap Acioglu STU</b>  <b>O42.</b> Comparative genomic analysis of partial raspberry busy dwarf virus sequences isolated from <i>Rubus</i> spp. and cherry plants</p> <p><b>12:30-12:45 Kıvılcım Ördek STU</b>  <b>O43.</b> Molecular detection and discrimination of blueberry mosaic associated virus isolates in cultivated and wild blueberry species</p>	<p><b>12:00-12:15 Jam Nazeer Ahmad</b>  <b>O47.</b> Expression of Cry1Ac in BT Cotton (<i>Gossypium hirsutum</i> L.) in relation to resistance management in American bollworm (<i>Helicoverpa armigera</i>).</p> <p><b>12:15-12:30 Gözde Büşra Eroglu STU</b>  <b>O48.</b> Whole genome sequence the <i>Helicoverpa armigera</i> single nucleopolyhedrovirus isolated from unreported host <i>Heliothis peltigera</i></p> <p><b>12:30-12:45 Oğuzhan Yanar</b>  <b>O49.</b> Effects of different plants on enzyme activities of <i>Hyphantria cunea</i> Drury (Lepidoptera: Arctiidae) larvae infected by <i>Bacillus thuringiensis subsp. kurstaki</i></p>
<p><b>12:45-14:00 LUNCH</b> </p>	
<p><b>14:00-15:45 PLANT PATHOLOGY/ BACTERIOLOGY SESSION 11</b>  <b>Hall 1</b>  <b>Moderators: Pauline Wang- Saul Burdman</b></p> <p><b>14:00-14:30 David Guttman KEY</b>  <b>O50.</b> Decoding bacterial host specificity via comparative genomics</p> <p><b>14:30-14:45 Didem Canik Orel</b>  <b>O51.</b> A sensitive method for <i>Agrobacterium vitis</i> detection: Magnetic capture hybridization</p> <p><b>14:45-15:00 Said Sadallah</b>  <b>O52.</b> Identification and characterization of <i>Erwinia amylovora</i> isolated from apple and pear trees in Eastern Algeria</p> <p><b>15:00-15:15 Damla Ertimurtaş</b>  <b>O53.</b> Molecular diagnosis of <i>Pseudomonas syringae</i> pathovars causing bacterial canker on stone fruits</p> <p><b>15:15-15:30 Salih Yılmaz STU</b>  <b>O54.</b> Raising the awareness of risk occurrence due to Clover Proliferation Group Phytoplasmas (16Sr-VI) infection of Various Crops in Turkey</p> <p><b>15:30-15:45 Aynur Karahan</b>  <b>O55.</b> Investigation of Flavescence dorée and Bois noir phytoplasmas and potential vector species in vineyard areas of Central Anatolia Region</p>	<p><b>14:00-15:45 ENTOMOLOGY &amp; PLANT PATHOLOGY/ TRANSGENIC &amp; NON-TRANSGENIC TECHNOLOGIES SESSION 12</b>  <b>Hall 2</b>  <b>Moderators: Angharad Gatehouse-Erhan Koçak</b></p> <p><b>14:00-14:30 Peter Atkinson KEY</b>  <b>O56.</b> Gene editing in the whitefly, <i>Bemisa tabaci</i>.</p> <p><b>14:30-14:45 Sarbesh Das Dangol STU</b>  <b>O57.</b> CRISPR/Cas9 method based gene editing of potato invertase inhibitor gene</p> <p><b>14:45-15:00 Saber Delpasand Khabbazi</b>  <b>O58.</b> Limited expression of Cry1Ac along with a plant-derived agglutinin lectin gene in the cotton plant; an approach to reducing public concerns about transgenics</p> <p><b>15:00-15:15 Deepa Dhatwalia STU</b>  <b>O59.</b> Generation of marker free, aphid resistant, transgenic mustard (<i>Brassica juncea</i>) plants</p> <p><b>15:15-15:30 Hela Chikh-Rouhou</b>  <b>O60.</b> Marker-assisted selection of <i>Fusarium</i> wilt and Aphid resistance in Tunisian melon genotypes</p> <p><b>15:30-15:45 Mesut Keser</b>  <b>O61.</b> Allelic variation for disease and pest resistance genes in a breeding program and implication of it on developing resistant germplasm</p>
<p><b>15:45-16:00 SHORT COFFEE BREAK</b> </p>	

**16:00-17:45 PLANT PATHOLOGY/MYCOLOGY  
SESSION 13**

**Hall 1**

**Moderators: Yusuf Yanar- Dwayne Hegedus**

**16:00-16:30 Mark Belmonte **KEY****

**O62.** Using RNA interference to protect crops against fungal pathogens

**16:30-16:45 Messoaud B. Bensaci**

**O63.** Phylogenetic and pathogenic characterization of *Mauginiella scaettae* as the causal agent of date palm (*Phoenix dactylifera* L.) inflorescence rot in southeast of Algeria.

**16:45-17:00 Tülin Sarigül Ertek **STU****

**O64.** Molecular detection of fungal diseases in strawberry production areas in Central Anatolia Region

**17:00-17:15 Yousef Haj-Ahmad**

**O65.** Cost effective and environmentally friendly antifungal strategy introduced by molecular based customized pest management in vineyard

**17:15-17:30 Ülkem Tanker**

**O66.** Molecular and morphological identification of fungal diseases of kiwi fruit orchard in Western Black Region

**17:30-17:45 Gülsüm Palacioğlu **STU****

**O67.** Use of iPBS markers in the evaluation of genetic variability within and between the populations of important soil pathogens

**17:45-18:00 SHORT COFFEE BREAK** 

**18:00-19:15 PLANT PATHOLOGY/NEMATOLOGY  
SESSION 15**

**Hall 1**

**Moderator: Manuel Mota**

**18:00-18:30 Johannes Helder **KEY****

**O73.** Convergent evolution of plant parasitism among nematodes, and the relevance of comparative genomics to improve our understanding of (in)compatible host-parasite interactions

**18:30-19:00 John Jones **KEY****

**O74.** Genome analysis of the potato cyst nematode: a tool for a better understanding of nematode biology

**19:00-19:15 Halil Toktay**

**O75.** Species-specific PCR Assays for identification *Heterodera filipjevi*

**16:00-17:45 ENTOMOLOGY/ INSECT IMMUNITY  
SESSION 14**

**Hall 2**

**Moderators: Salvador Herrero –Feza Can**

**16:00-16:30 Yonggyun Kim **KEY****

**O68.** Insects use a novel biosynthetic pathway to produce prostaglandin E2

**16:30-17:00 Francesco Pennacchio **KEY****

**O69.** Insects as interacting metaorganisms: New insights for bioinspired insect control

**17:00-17:15 Volkan Keleş **STU****

**O70.** The effect of streptomycin on certain antioxidant enzymes in different stages of *Drosophila melanogaster*

**17:15-17:30 Farid Asif Shaheen**

**O71.** Propensity and immune defense mechanisms of pulse beetle, *Callosobruchus chinensis* L. (Coleoptera: Bruchidae) against infections caused by entomopathogenic fungi

**17:30-17:45 Rehemah Gwokyalya **STU****

**O72.** Effects of boric acid on the cellular immunity of model insect *Galleria mellonella* larvae

**18:00-19:30 ENTOMOLOGY/MIDGUT BIOCHEMISTRY &  
FEEDING**

**SESSION 16**

**Hall 2**

**Moderators: Bruno Lemaitre**

**18:00-18:30 Edward Blumenthal **KEY****

**O76.** Regulation of extracellular barrier integrity by the drop-dead gene in *Drosophila melanogaster*

**18:30-18:45 Gianluca Tettamanti**

**O77.** Effects of metagenome-sourced chitinases on the peritrophic matrix of Lepidoptera

**18:45-19:00 Fariba Mehrkhou**

**O78.** Gut proteolytic and amylolytic profile of larval *Leptinotarsa decemlineata* Say (Col.: Chrysomelidae) in response to feeding on different potato cultivars

	<b>19:00-19:15 Svetlana S. Paponova <i>STU</i></b> <b>O79.</b> Gall mite <i>Fragariocoptes setiger</i> (Eriophyoidea) changes leaf developmental program and regulates gene expression in the leaf tissues of <i>Fragaria viridis</i> (Rosaceae)
--	---

<b>18:00 DEPARTURE FROM CONGRESS CENTER TO HOTELS</b> 
---

<b>19:30 FINAL DEPARTURE FROM CONGRESS CENTER TO HOTELS</b> 
---

## 12 APRIL 2019 FRIDAY

07:30 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:00 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

### 08:30-10:15 PLANT PATHOLOGY/BACTERIOLOGY SESSION 17

Hall 1

Moderators: Robert Jackson - Fikretin Şahin

08:30-09:00 Saul Burdman **KEY**

**O80.** Elucidating the type III-secretome of the cucurbit pathogenic bacterium *Acidovorax citrulli*

09:00-09:15 Samina Jam Nazeer Ahmad

**O81.** Molecular Study of abnormal flower development in 16Sr-IX group phytoplasma infected Brassica compestris

09:15-09:30 Zehra Mezreli **STU**

**O82.** Detection and characterization of phytoplasmas with molecular methods in the fields of pepper in Sanliurfa province

09:30-09:45 Kübra Yıldız **STU**

**O83.** Detection of *Xylella fastidiosa* and its vectors on different hosts in the Antalya City and determination of disease control strategies based on risk management

09:45-10:00 Utku Sanver **STU**

**O84.** Biochemical and molecular Identification of *Xanthanomas campestris* pv. *campestris* the causal agent of black rot on crucifers

10:00-10:15 Kamil Duman **STU**

**O85.** Genetic Characterization of *Pseudomonas syringae* pv. *phaseolicola* Strains isolated from common bean production areas in Turkey

### 08:30-10:15 ENTOMOLOGY/INSECT SYSTEMATICS & PHYLOGENY & EVOLUTION SESSION 18

Hall 2

Moderators: Ke Dong - Hasan Sungur Civelek

08:30-09:00 James J. Smith **KEY**

**O86.** Molecular phylogenetic approaches to plant protection: Some benefits of an evolutionary perspective

09:00-09:15 Sabine Hänniger

**O87.** Timing matters! The timing of attraction as a driver of species diversification

09:15-09:30 Seda Yücel **STU**

**O88.** Genetic diversity of cotton bollworm, *Helicoverpa armigera* (Lepidoptera:Noctuidae) population in Çanakkale

09:30-09:45 Akın Kuyulu **STU**

**O89.** Genetic diversity in mtDNA (COI) region of codling moth, *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) from apple orchards in Turkey

09:45-10:00 Burcu İnal

**O90.** Does DNA barcoding provide host specificity for Black cherry aphid *Myzus cerasi* (Fabricius, 1775) (Hemiptera: Aphididae) ?

10:00-10:15 İnci Şahin **STU**

**O91.** Molecular species identification by DNA barcoding in the genus *Thrips* (Thysanoptera:Thripidae) in Turkey

10:15-10:45 COFFEE BREAK 

### 10:45-12:30 PLANT PATHOLOGY/ VIROLOGY SESSION 19 Hall 1

Moderators: Thierry Candresse - Mona Gazel

10:45-11:15 Hanu R. Pappu **KEY**

**O92.** Virus resistance in the era of genome-editing Technologies

11:15-11:30 Charles Ruhimbana **STU**

**O93.** Utilizing CAPS markers to pyramid potyvirus resistance genes into Rwandan common bean genotypes.

### 10:45-12:30 ENTOMOLOGY/ INSECT SYSTEMATICS & PHYLOGENY & EVOLUTION SESSION 20 Hall 2

Moderators: Francesco Pennacchio - Sabine Hänniger


10:45-11:15 Miranda Whitten **KEY**

**O98.** Symbiotic bacteria in the control of thrips and other pest insects

11:15-11:30 Gül Satar

**O99.** Endosymbiont *Buchnera aphidicola* phylogenetics on the different aphid species



<p><b>11:30-11:45 Mina Rastgou</b>  <b>O94.</b> Molecular detection of potyviruses infecting some cultivated plants around Urmia</p> <p><b>11:45-12:00 Filiz Randa Zelyüt STU</b>  <b>O95.</b> Phylogenetic Analysis of Mirafiori lettuce big vein virus Isolates from Turkey, Ankara</p> <p><b>12:00-12:15 Bahar Tunç STU</b>  <b>O96.</b> Incidence and genetic diversity of grapevine leaf roll associated virus-3 in Turkey</p> <p><b>12:15-12:30 Sahra Hosseinalizadeh STU</b>  <b>O97.</b> Screening of some plant pathogenic fungi for the presence of dsRNA mycoviruses</p>	<p><b>11:30-11:45 Sevgi Coşkan</b>  <b>O100.</b> Characterization of thrips species as a vector of Tomato spotted wilt tospovirus (TSWV) in host plants in Turkey</p> <p><b>11:45-12:00 Sudabe Amini</b>  <b>O101.</b> Genetic diversity of <i>Scolytus rugulosus</i> (Muller, 1818) in Alborz mountain of Iran</p> <p><b>12:00-12:15 Emel Oren STU</b>  <b>O102.</b> Is "Travel" in <i>Pityophthorus juglandis</i>' genes? What SSRs reveal about USA versus European Populations</p> <p><b>12:15-12:30 Bayram Çevik</b>  <b>O103.</b> Identification of differentially expressed genes in viruliferous and non-viruliferous <i>Trialeurodes vaporariorum</i></p>
<p><b>12:30-14:00 LUNCH</b> </p>	
<p><b>14:00-15:30 PLANT PATHOLOGY/MYCOLOGY SESSION 21</b>  <b>Hall 1</b>  <b>Moderators: Robert Brueggeman -Fulya Baysal-Gurel</b></p> <p><b>14:00-14:30 Dwayne Hegedus KEY</b>  <b>O104.</b> Receptor-like kinases BAK1 and SOBIR1 are required for necrotizing activity of <i>Sclerotinia sclerotiorum</i> necrosis-inducing effectors</p> <p><b>14:30-14:45 Hicret Asli Yalcin STU</b>  <b>O105.</b> Investigation of NLP recognition and immune response in <i>B.napus</i> by bulk-segregant analysis</p> <p><b>14:45-15:00 Sajjad Hyder STU</b>  <b>O106.</b> Antagonism of several fungal species against <i>Macrophomina phaseolina</i> (Tassi) Goid, causing charcoal rot of mungbean</p> <p><b>15:00-15:15 Nurul Hidayah STU</b>  <b>O107.</b> Relative pathogenicity and molecular analysis of <i>Sporisorium scitamineum</i> isolates from Australia</p> <p><b>15:15-15:30 Aicha Mohammadi STU</b>  <b>O108.</b> Interactions between two biocontrol <i>Trichoderma</i> species and <i>Alternaria</i> sp. a tomato early blight agent.</p>	<p><b>14:00-15:15 ENTOMOLOGY/EMERGING TECHNOLOGIES SESSION 22</b>  <b>Hall 2</b>  <b>Moderator: Peter Atkinson</b></p> <p><b>14:00-14:30 Angharad Gatehouse KEY</b>  <b>O109.</b> New technologies and molecules for crop protection</p> <p><b>14:30-15:00 Gregor Bucher KEY</b>  <b>O110.</b> iBeetle: Unbiased genome wide RNAi screening-the quest for novel genes in development, physiology and pest control</p> <p><b>15:00-15:15 Allah Bakhsh</b>  <b>O111.</b> Silencing of some important genes leads to reduced fecundity and survival of Colorado Potato Beetle, <i>Leptinotarsa decemlineata</i> (Chrysomelidae: Coleoptera)</p>



**15:30-17:15 HERBOLOGY & WEED/PLANT SCIENCE  
SESSION 23**

**Hall 1**

**Moderator: Robert Edwards**

**15:30-16:00 Baruch Rubin, Hebrew University of  
Jerusalem, Israel** **KEY**

**O112.** Herbicide-resistant weeds: Mechanisms and  
management

**16:00-16:30 Robert Edwards, Newcastle University,  
UK** **KEY**

**O113.** Multiple roles for glutathione transferases in  
herbicide selectivity and resistance

**16:30-16:45 Abdullatif M. Abdurruhman** **STU**

**O114.** Molecular based test to detect pinoxaden  
resistance in sterile wild oat (*Avena sterilis* L.)

**16:45-17:00 Nurefşan Cırık**

**O115.** Optimization of glufosinate ammonium  
concentration prior to develop herbicide resistant  
watermelon (*Citrullus lanatus* Thunb.)

**17:00-17:15 Nida Fatima** **STU**

**O116.** Consortium of Iron/Sulfur oxidizing and  
reducing bacteria enhancing plant growth and  
nutrient bioavailability in Maize (*Zea Mays* L.)

**15:15-16:00 EDITORIAL PANEL: "Perspectives from  
Editors in Insect Physiology & Biochemistry: What  
Editors Expect to See?"**

**Hall 2**

**Moderator: Umut Toprak**

**15:15-15:20** Introductory remarks

**15:20:15:30 Francesco Pennacchio**

*Editor in Chief- Journal of Insect Physiology*

**15:30-15:40 Marek Jindra**

*Editor in Chief- Insect Biochemistry & Molecular Biology*

**15:40-15:50 Yonggyun Kim**

*Editor in Chief- Archives of Insect Biochemistry &  
Physiology*

**15:50-16:00 Questions & Answers & Conclusion**

**16:00-17:15 PLANT PATHOLOGY/ENTOMOLOGY**

**NEMATOLOGY**

**SESSION 24**

**Hall 2**

**Moderator: Halil Elekcioglu**

**16:00-16:30 Johannes Helder** **KEY**

**O117.**

**16:30-16:45 Barbara Gerič Stare**

**O118.** Classification of species *M. ethiopica*, *M. luci* and  
*M. inornata* into *Meloidogyne ethiopica* group

**16:45-17:00 Mehmet Sait Karaca** **STU**

**O119.** Molecular characterization of root lesion and  
cereal cyst nematodes on cereals in Konya and Karaman  
Provinces in Turkey

**17:00-17:15 Esengül Özdemir** **STU**

**O120.** Identification of entomopathogenic nematodes  
and their symbiotic bacteria from the Natural Parks of  
Ankara, Turkey

**15:30-17:30 POSTER SESSION**

**16:30 DEPARTURE FROM CONGRESS CENTER TO HOTELS** 


**17:00 DEPARTURE FROM CONGRESS CENTER TO HOTELS** 

**17:30 FINAL DEPARTURE FROM CONGRESS CENTER TO HOTELS** 

**19:00 DEPARTURE FROM HOTELS TO GALA DINNER** 


**19:30 DEPARTURE FROM HOTELS TO GALA DINNER** 

**20:00 FINAL DEPARTURE FROM HOTELS TO GALA DINNER** 


**19:30-00:30 GALA DINNER - ZIRVE PARK BALLROOM** 

**23:00 DEPARTURE FROM GALA DINNER TO HOTELS** 

**23:30 DEPARTURE FROM GALA DINNER TO HOTELS** 

**00:00 DEPARTURE FROM GALA DINNER TO HOTELS** 

**00:30 DEPARTURE FROM GALA DINNER TO HOTELS** 

**01:00 FINAL DEPARTURE FROM GALA DINNER TO HOTELS** 

## 13 APRIL 2019 SATURDAY

07:30 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:00 DEPARTURE FROM HOTELS TO CONGRESS CENTER 

08:30-10:00 PLANT PATHOLOGY/MYCOLOGY  
SESSION 25

Hall 1

Moderator: Yasemin Bektaş

08:30-09:00 Fulya Baysal-Gurel **KEY**

O121. Track and Trace: Plant Pathogen Detection

09:00-09:15 Raees Ahmed

O122. sMorpho-molecular characterization of *Botrytis cinerea* causing gray mold disease on peach

09:15-09:30 Davut Soner Akgül

O123. Phylogenetic discrimination and pathogenicity of fungi causing *Botryosphaeria* dieback disease on grapevine in Southern Turkey

09:30-09:45 Mahdi Arzanlou

O124. Pathogenic, phenotypic and molecular characterization of fungal species involved in trunk disease of pomegranate in Iran

09:45-10:00 Abdul Razaq

O125. Morphological and molecular characterization of macro fungi from district hunza, Gilgit- Baltistan, Pakistan

08:30-10:00 PLANT PATHOLOGY/VIROLOGY  
SESSION 26

Hall 2

Moderator: Ozgur Batuman

08:30-09:00 Francisco Ochoa Corona **KEY**

O126. Detection of host selected pathogens sets by E-probe Diagnostic Nucleic acid Analysis (EDNA)

09:00-09:15 Kadriye Çağlayan

O127. Application of next generation sequencing for detection of a novel virus in raspberries

09:15-09:30 Md Salik Noorani

O128. Complete genomic sequence of Prunus necrotic ringspot virus (affecting apricot) from India

09:30-09:45 Snezhana Milusheva

O129. Experiments on Plum pox virus elimination from micropropagated plum plants through non-thermal plasma treatment

09:45-10:00 Serap Açıköz

O130. Virus disease of the fig and their management

10:00-10:30 COFFEE BREAK 

10:30-12:45 PLANT PATHOLOGY/MYCOLOGY  
SESSION 27

Hall 1

Moderator: Eric Boa-Aslıhan Günel

10:30-11:00 Mahmut Tör **KEY**

O131. SIGS and HIGS: investigation into silencing genes in the obligate downy mildew pathogen.

11:00-11:15 Nasir Ahmed Rajput

O132. PSCRN70 effector enhances susceptibility to *Phytophthora parasitica* and confers resistance to salinity and drought in *Nicotiana benthamiana*

11:15-11:30 Wassila Dendouga

O133. Cell wall degrading enzymes (CWDE) of *Trichoderma* strains as key factors on biocontrol of wheat Fusarium

10:30-12:30 PLANT PATHOLOGY/BACTERIOLOGY  
SESSION 28

Hall 2

Moderator: David Guttman- Yeşim Aysan

10:30-11:00 Robert Jackson **KEY**


O137. A genomic island carrying a type III effector undergoes chromosomal excision and supercoiling to stealthily exist at low levels in a pathogen population infecting a resistant plant

11:00-11:30 Fikrettin Şahin **KEY**

O138. Development of a novel seed coating formulation used for management of seedborn plant pathogens

11:30-11:45 Mine Saraçoğlu

O139. Investigation of *Xylella fastidiosa* and its potential vector species in Central Anatolian Region

<p><b>11:30-11:45 Houda Boureghda</b>  <b>O134.</b> Molecular identification and characterization of some isolates of the genus <i>Trichoderma</i> with high potential antagonist against phytopathogenic fungi</p> <p><b>11:45-12:00 Sabrina Sarrocco</b>  <b>O135.</b> Competition between <i>Trichoderma gamsii</i> and <i>Fusarium graminearum</i> in the biocontrol of FHB</p> <p><b>12:00-12:15 Sirel Canpolat</b>  <b>O136.</b> Molecular detection of angular leaf spot disease (<i>Pseudocercospora griseola</i>) in bean production in Western Black Sea Region</p>	<p><b>11:45-12:00 Umit Ozyilmaz</b>  <b>O140.</b> Specificity of conventional and Real-time PCR assays for the detection of <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> in Turkey</p> <p><b>12:00-12:15 Nursen Ustun</b>  <b>O141.</b> <i>Xylella fastidiosa</i> threat in Turkey: Risks and survey results in the Aegean Region</p>
<p><b>12:15-13:30 LUNCH</b> </p>	
<p><b>13:30-14:45 PLANT PATHOLOGY/VIROLOGY SESSION 29</b>  <b>Hall 1</b>  <b>Moderator: Heiko Ziebell</b></p> <p><b>13:30-14:00 Thierry Candresse</b> <b>KEY</b>  <b>O142.</b> The game-changing impact of high-throughput sequencing (HTS) in plant virology</p> <p><b>14:00-14:15 Muhammad Shahid</b>  <b>O143.</b> A new caveat for tomato: A distinct strain of Cotton leaf curl gezira virus infecting tomato in Oman</p> <p><b>14:15-14:30 Qurat ul-Ain Sajid</b>  <b>O144.</b> Molecular Screening of new emerging viral diseases of tomato in Mersin and Niğde Provinces of Turkey</p> <p><b>14:30-14:45 Şerife Topkaya</b>  <b>O145.</b> Molecular characterization of Potato virus Y in Tokat province</p>	<p><b>13:30-14:45 ENTOMOLOGY/INSECT BIOTECHNOLOGY SESSION 30</b>  <b>Hall 2</b>  <b>Moderator: Ferit Turanlı</b></p> <p><b>13:30-14:00 Andreas Vilcinskis</b> <b>KEY</b>  <b>O146.</b> Insect biotechnology in plant protection</p> <p><b>14:00-14:30 Kostas Mathiopoulos</b> <b>KEY</b>  <b>O147.</b> Smell and sex in the olive fly: New tools for fly control</p> <p><b>14:30-14:45 Robert Jackson</b>  <b>O148.</b> Multiple toxins enable <i>Pseudomonas poae</i> to kill aphids.</p>
<p style="text-align: center;"><b>THE END</b></p>	

**KEY:** Keynote speech

**STU :** Student speech

## Poster Session:

- 10 April 2019 Wednesday 08:30-17:30 Posters should be attached to the boards.
- 12 April 2019 Friday 15:30-17:30 Presenters should be next to their posters for questions-answers

**P1. Ahmed Mohammed AlJabr** Susceptibility and defense mechanism of date palm dust mites, *Oligonychus afrasiaticus* (McGregor) against entomopathogenic fungal infections

**P2. Sibel Yorulmaz Salman** Spirodiclofen resistance and monooxygenase (P450) enzyme relation of *Tetranychus urticae* Koch (Acari:Tetranychidae) from egg-plant populations

**P3. Mehmet Başhan** Fatty acid composition of total lipid, triacylglycerol, phospholipid and phospholipid subclasses of aphid species, *Aphis rumicis* L. and *Schizaphis graminum* (Rond.) (Hemiptera:Aphididae)

**P4. Ebru Guney** Vip3Aa from *Bacillus thuringiensis kurstaki*

**P5. İ. Alper Susurluk** Reaction to some formulation ingredients of hybrid strain *Heterorhabditis bacteriophora* and its parents

**P6. Nabi Alper Kumral** Recent developments in molecular diagnostic methods of Phytoseiidae species (Acari: Mesostigmata)

**P7. Somayeh Rahimi-Kaldehy** Clock genes and their role in diapause of *Trichogramma brassicae*

**P8. Aydemir Barış** Identification and determination of Thrips species in alfalfa plantations of Aksaray Province

**P9. Bahram Naseri** Digestive enzymatic activity of *Tribolium castaneum* (Coleoptera: Tenebrionidae) larvae on different barley cultivars

**P10. Cihan İnan** Investigation of *Amsacta moorei* entomopoxvirus (AMEV) glycosyl transferase activity and insecticidal effects

**P11. İsmail Demir** Efficiency of entomopathogenic fungi in the control of nymphs and adults of *Ricania japonica* (Hemiptera: Ricaniidae)

**P12. Ayşe Özdem** Genetic approaches for management of some important fruit flies

**P13. Eugene A. Rogozhin** Expression of a recombinant beta/delata-agatoxin-1 from the spider *Agelena orientalis* in *Lecanicillium muscarium* for increasing virulence potential against insect pests

**P14. Reza Farshbaf PourAbad** RNAi in *Tuta absoluta* management: Effects of injection and root delivery of dsRNAs

- P15. Arzu Çelik Fuss** *Iroquois-complex* genes regulate olfactory receptor neuron diversification in *Drosophila melanogaster*
- P16. Yusuf Yanar** Morphological and molecular identification of entomopathogenic fungi, isolated from different locations in Tokat-Turkey
- P17. Jabrael Razmjou** Nutritional physiology of *Tribolium castaneum* (Coleoptera: Tenebrionidae) on different barley cultivars
- P18. İsmail Karaca** Detection of endosymbionts from *Trialeurodes vaporariorum*, populations from Isparta and Antalya
- P19. İsmail Karaca** Molecular identification of Turkish and Algerian *Ceratitis capitata* (Diptera: Tephritidae) populations of citrus trees
- P20. Umut Toprak** Comparative midgut proteomics from feeding and hibernating Sunnpest, *Eurygaster maura* (Hemiptera: Scutelleridae)
- P21. STU Sengodan Karthi** Comparative efficacy of the entomopathogenic fungus, *Beauveria bassiana* (Bals.) Vuill. and *Metarhizium anisopliae* (Metchnikoff) Sorokin on larval mortality, enzyme inhibition of *Spodoptera litura* Fab. and their non-target activity against *Eudrilus eugeniae* Kinb.
- P22. STU Doğa Cedden** Identification of circadian timekeeping genes in Colorado potato beetle, *Leptinotarsa decemlineata* Say (Coleoptera:Chrysomelidae)
- P23. STU Ebru Güney** A study regarding of Bacterial control against some pests
- P24. STU Gözde Büşra Eroğlu** Oil-based formulation of Trichoplusia ni single nucleopolyhedrovirus for developing an effective microbial pesticide
- P25. STU Zeynep Bayramoğlu** Whole genome sequence analysis and organization of the Hyphantria cunea granulovirus (HycuGV-Hc1) from Turkey
- P26. STU Donus Gencer** Genome organization of Malacosoma neustria nucleopolyhedrovirus (ManeNPV-T2) and interactions of AC145 proteins with oral infectivity proteins
- P27. STU Cebraail Barış** Molecular identification and mortality effects of local *Metarhizium* isolates on *Rhyzopertha dominica*, *Sitophilus oryzae*, *Tribolium confusum* and *Blatella americana*
- P28. STU Musa Kırışık** Molecular identification approaches for mealybug pest species (Hemiptera: Pseudococcidae)
- P29. STU Başak Ulaşlı** Evaluation and optimization of DNA extraction protocols for Zygaenidae (Lepidoptera)

- P30. STU Melis Yalçın** Biochemical analysis and synergistic suppression of spinosad and indoxacarb resistance in *Tuta absoluta*
- P31. STU Aydın Yeşilyurt** An increasing insecticidal effect on insect larvae by recombinant iridoviruses
- P32. STU Akın Kuyulu** Molecular identification of *Drosophila suzukii* (Matsumura) (Diptera:Drosophilidae) in Çanakkale
- P33. STU Özgür Altundaş** Mediterranean fruit fly (*Ceratitis Capitata*) management with sterile insect release methods
- P34. STU Sudabe Amini** Genetic diversity of *Scolytus rugulosus* (Müller, 1818) in Alborz mountain of Iran
- P35. STU Didem Coral Şahin** Application of molecular species delimitation approaches: the case of Chrysomelidae (Coleoptera)
- P36. STU Abdullah Emre Atis** Diamide insecticide resistance in tomato leafminer, *Tuta absoluta* (Lepidoptera: Gelechiidae) from Antalya, Turkey
- P37. STU Cansu Doğan** Identification of fatty acid binding and transport proteins in *Spodoptera littoralis* (Boisduval) (Lepidoptera:Noctuidae): Potential target sites in pest control
- P38. STU Esra Köse** Diet, obesity and beyond: Lessons from Insects
- P39. STU Aylın Aydın** *Bacillus*-based bioinsecticides in mosquito control: Mode of action and resistance scenarios
- P40. Wassila Dendouga** Biotic and abiotic factors influencing distribution of biocontrol strains of *Trichoderma* in Algerian desert soils
- P41. Saeedeh Pirayesh** Molecular and biochemical study of fusaric acid production in *Fusarium oxysporum* f.sp. *radicis lycopersici* and *Fusarium oxysporum* f.sp. *lycopersici* and their physiological races and its relation to pathogenicity
- P42. Sumer Horuz** Identification of bacterial spot (*Xanthomonas euvesicatoria*) on pepper and tomatoes
- P43. Filiz Ünal** First report of brown patch disease caused by *Rhizoctonia solani* AG 1 on turfgrasses in Turkey
- P44. Filiz Ünal** *Nigrospora* blight in turfgrass areas in Turkey



- P45. Irina Pisareva** Applied molecular methods for diagnostic *Xylella fastidiosa* Wells et. al. in the Russian Federation
- P46. Ida Gennadevna Bashkirova** Real-time PCR to identify phytoplasmas from the apple proliferation group
- P47. Hanu R. Pappu** The *Tomato spotted wilt virus* (TSWV) genome is differentially targeted in TSWV-infected tomato (*Solanum lycopersicum*) with or without *SW-5* gene
- P48. Krimi Zoulikha** Molecular identification and multiple-locus variable number tandem repeat analysis (MLVA) for typing isolates of *Erwinia amylovora* the causative agent of fire blight in Algeria
- P49. Sirel Canpolat** Molecular and morphological identification of fungal diseases of dry bean fields in Turkey
- P50. Linda Allala-Messaoudi** Genetic diversity of potato virus Y (PVY) Algerian potato isolates
- P51. Tülin Sarigül Ertek** Pathogenic fungi species isolated and genetically characterized in oregano field plantation of Central Anatolian climatic conditions
- P52. Mina Shidfar** Breeding of powdery and downy mildew resistant cultivars via marker assisted selection in grape
- P53. Mürşide Yağci** Analysis of the applicability of molecular markers linked to resistance genes to *Meloidogyne incognita* and *Meloidogyne javanica* in peach and nectarine rootstocks
- P54. Sukran Yayla** Metagenomics in plant pathology
- P55. Raziye Cetinkaya Yildiz** Genetic differentiation of *Pseudomonas syringae* pv. *syringae* strains from citrus and stone fruits in the Eastern Mediterranean Region, Turkey
- P56. Yuliya V. Orlova** Using molecular markers for identification of true thistles (*Cirsium*)
- P57. Ibrahim Erdogan** Using small RNA technology to control plant pathogens
- P58. Snezhana Milusheva** Updated data on reaction of plum cultivar 'Jojo' to *Plum pox virus* under field conditions in Plovdiv region of Bulgaria
- P59. Vesile Urin** Monitoring some resistance genes against leaf rust disease (*Puccinia recondita* f.sp. *tritici*) in natural epidemic conditions in Sakarya Province
- P60. Sihem Touati-Hattab** A molecular based strategy for chemotyping *Fusarium* isolates and phenotyping resistance of wheat cultivars to *Fusarium culmorum*

**P61. Serkan Önder** Next generation sequencing (NGS) applications in diagnosis of grapevine viruses and viroids

**P62. Aynur Karahan** The study on vectors of Stolbur phytoplasma in potato growing areas of Bolu, Kırşehir, Sivas and Yozgat Provinces

**P63. Huda Hazim Altaae** Using Nested PCR to detect the non-defoliating pathotype of *Verticillium dahliae* on olive orchard

**P64. Mohammad Reza Eslahi** Study on defense related genes expression of wheat in response to *Mycosphaerella graminicola* using cDNA-AFLP

**P65. Afsaneh Delpasand Khabbazi** Development of a modified method to extract dsRNA from different plant host species

**P66. STU Serhat Kara** Characterization of a new type three secretion effector in *Xanthomonas Cynarae*

**P67. STU Yousef Panahandeh** An integrative approach for characterization of two new and one known species of the genus *Miculenchus* Andrassy, 1959 (Nematoda: Tylenchidae) from Iran

**P68. STU Merve Kara** Morphological and molecular characterization of downy mildew disease caused by *Peronospora variabilis* on *Chenopodium album* in Turkey

**P69. STU Merve Kara** Molecular identification of powdery mildew disease agent *Golovinomyces orontii*, as a potential threat for tobacco (*Nicotiana tabacum*) in Turkey

**P70. STU Elvan Sert Çelik** Comparison of propidium mono azide and reagent D for differentiation of live vs. dead *Aphelenchoides besseyi* using Real-time PCR

**P71. STU Tevfik Özalp** The efficiency of molecular markers linked to *N* and *Me* genes in peppers

**P72. STU Utku Sanver** Biochemical and molecular identification of *Pseudomonas syringae* pv. *Maculicola*, the causal agent of bacterial leaf spot on crucifers

**P73. STU Kübra Nur Selçuk** Biotic and abiotic stress related genetic transformation studies in Turkey

**P74. STU Bukhari Abubakar Adam** Effect of common pathogenic smut fungi (*Ustilago maydis*) associated with maize plant (*Zea mays*) and disease control measures

**P75. STU Ayşenur Aslan** Morphologic and molecular identification and phylogeny of *Meloidogyne chitwoodi* in potato growing areas in Nigde Province, Turkey

**P76. STU Abdul Rahman Moukahel** Molecular characterization of poleroviruses affecting chickpea in Sudan

- P77. STU Özlem Akbaş** *Agrobacterium tumefaciens* mediated genetic transformation studies of legumes in Turkey
- P78. STU Yağmur Türkmen** Detection of grapevine fanleaf virus infection in Amasya province, Turkey
- P79. STU Nazlı Özkurt** Molecular insights into the role of propolis in plant protection
- P80. STU Süreyya Özben** First report of *Cylindrocladiella parva* associated with black foot disease of grapevine in Turkey
- P81. STU Selda Çalışkan** Molecular diagnosis of root-knot nematodes detected in pomegranate gardens in Antalya Province
- P82. STU Sukran Yayla** Metagenomics in plant pathology
- P83. STU Senem Tülek** Molecular and morphological diagnosis of *Alternaria* species causing black root rot disease in carrots
- P84. STU Senem Tülek** Molecular studies on the pathogenesis of *Synchtrium endobioticum*
- P85. STU Lerzan Ozturk** Molecular characterization and phylogentic relationships of *Xiphinema index* associated with grapevines and fig trees from Northwestern Marmara Region, Turkey
- P86. STU Hakan Çarpar** Investigation of phytoplasma diseases of tomato in Hatay- Turkey
- P87. STU Hakan Çarpar** Phytoplasma diseases of periwinkle (*Catharanthus roseus*) plants in recreation areas in Hatay-Turkey
- P88. STU İbrahim Ergüven** Detecion of the causative agent associated with onion yellows in Adana province
- P89. STU Adyatma I. Santosa** Serological and molecular detection of *leek yellow stripe potyvirus* infecting onion (*Allium cepa*) and leek (*Allium ampeloprasum*) in Ankara, Turkey
- P90. STU Ceyda Yuzbasi** The role of bar domain-containing proteins in the rice blast fungus *Magnaporthe Oryzae*
- P91. STU Esra Gül** Spray induced gene silencing (SIGS) in plant pathogenic fungi
- P92. STU Ahmad Hekmat Kashtiban** Detection of *Cauliflower mosaic virus* (CaMV) infecting Cold-season vegetables in Ankara province, Turkey by serological and molecular methods
- P93. STU Bahadır Şin** Morphologic and molecular characterization and phylogenetic relationships of *Cuscuta campestris* Yunck associated with several crop plants and weeds in Northwestern Marmara Region, Turkey

**P94. STU Nikoo Javadi** Efficiency assessment of endophytic bacteria isolated from native weeds in biological control of bacterial canker disease of stone-fruit trees

**P95. STU Nazi Arzagi Zonoz** Identification of endophytic bacteria in some selected native vegetable plants and their efficiency in biological control of bacterial soft rot disease

**P96. STU Zahereh Panahi** Assessment of efficiency of some antibiotics in controlling of bacterial soft-rot disease and effect of copper nano-particles in their performance in laboratory conditions

**P97. STU Kander Koç** Resistance breeding studies for rust diseases in wheat and use of marker assisted selection (MAS)