

## 9 SEPTEMBER 2015 WEDNESDAY

**08:30-17:30 REGISTRATION**

**10:00-11:00 OPENING CEREMONY**

**11:00-11:30 COFFEE BREAK**

**11:30-12:15 OPENING LECTURE- Zihni Demirbağ**

*Microbial Insecticides in Turkey and Europe: A story of virus based biopesticide development*

**12:15-13:30 LUNCH**

**13:30-15:00 SESSION I (Moderator: David Theilmann)**

**13:30-14:00 Martin Erlandson- Keynote speech**

*Development of plusiine baculoviruses as biopesticides for cabbage looper, Trichoplusia ni, control in greenhouse vegetable production*

**14:00-14:30 Madoka Nakai- Keynote speech**

*Development of resistance to baculoviruses by the tea pest Adoxophyes honmai (Tortricidae, Lepidoptera)*

**14:30-14:45 Emre Caner**

*Efficacy of different formulations of Spodoptera littoralis nucleopolyhedrovirus with synergistics targeting midgut defense under greenhouse conditions*

**14:45-15:00 Dönüş Gençer**

*Determination of new Lymantria dispar nucleopolyhedroviruses (LdNPVs) from Turkey: Characterization, phylogeny and virulence*

**15:00-15:30 COFFEE BREAK**

**15:30-17:15 SESSION II (Moderator: Lawrence Lacey)**

**15:30-16:00 David Heckel- Keynote speech**

*The expanding role of ABC proteins in Bacillus thuringiensis toxin mode of action: Mechanisms and resistance management*

**16:00-16:30 Mike Adang- Keynote speech**

*Bacillus thuringiensis crystal toxins: diversity and structure-function relationships*

**16:30-16:45 Ardahan Eski**

*An effective biopesticide production from a local Bacillus thuringiensis var. tenebrionis against Agelastica alni (L.) (Coleoptera: Chrysomelidae)*

**16:45-17:00 Reza Talaei-Hassanloui**

*Relatedness of protein profile and toxicity of some Iranian Bacillus thuringiensis isolates to diamondback moth, Plutella xylostella (Lep., Plutellidae)*

**17:00-17:15 Nurcan Albayrak İskender**

*Isolation and identification of bacteria from Dryocosmus kuriphilus Yasumatsu (Hymenoptera: Cynipidae)*

**17:15** Posters should be attached to the boards.

**19:00 DEPARTURE FROM CAMPUS**

**19:30-22:00 WELCOME COCTAIL-ANKEV**

## 10 SEPTEMBER 2015 THURSDAY

### 08:30-10:00 SESSION III (Moderator: Nemat Keyhani)

#### 08:30-09:00 Mark Goettel- Keynote speech

What roles do entomopathogenic fungi play in nature and how can we further exploit these?

#### 09:00-09:15 M. Bora Kaydan

The effectiveness of entomopathogenic fungi, *Isaria farinosa* (Holmsk.) on citrus mealybugs *Planococcus citri* (Risso) and vine mealybugs *Planococcus ficus* (Signoret) (Hemiptera: Pseudococcidae)

#### 09:15-09:30 Betül Soy- Student speech

The effects of entomopathogenic fungus *Beauveria bassiana* strains against *Aphis fabae* Scop. (Hemiptera: Aphididae)

#### 09:30-09:45 Yusuf Yanar

Efficacy of *Beauveria bassiana* isolates against rose aphid *Macrosiphum rosae* L.(Hemiptera: Aphididae)

#### 09:45-10:00 İsmail Demir

Efficacy of the entomopathogenic fungi on *Leptinotarsa decemlineata* Say. (Coleoptera: Chrysomelidae) under laboratory conditions

### 10:00-10:30 COFFEE BREAK

### 10:30-12:15 SESSION IV (Moderator: Mike Adang)

#### 10:30-11:00 Lawrence Lacey- Keynote speech

Microbial control of mosquitoes and its role in integrated vector and disease control

#### 11:00-11:30 Eustachio Tarasco- Keynote speech

Biodiversity of EPNs in Italy and potential of endogenous strains as biological control agents

#### 11:30-11:45 Javad Karimi

Correlation between some environmental condition and virulence of entomopathogenic nematodes on tomato leaf miner, *Tuta absoluta*

#### 11:45-12:00 Mariam Chubinishvili- Student speech

Development of novel bio-formulations for sustainable protection of strategic crops in Georgia

#### 12:00-12:15 Barış Gülcü

An integrated biological control against different stages of *Naupactus godmani* (Coleoptera: Curculionidae) Fuller Rose Beetle

### 12:15-13:30 LUNCH

### 13:30-15:30 SESSION V (Moderator: Madoka Nakai)

#### 13:30-14:00 Jenny Cory- Keynote speech

Do we need to understand the ecology and evolution of insect pathogens to use them effectively as microbial control agents?

#### 14:00-14:30 Nemat Keyhani- Keynote speech

A beetle versus a fungus: *Tribolium castaneum*, a pest of stored grains and the insect pathogenic fungus *Beauveria bassiana*

#### 14:30-14:45 Sebahat K. Ozman-Sullivan

Entomopathogenic efficacy of fungi isolated from *Thaumetopoea pityocampa* (Den. and Schiff.) (Lepidoptera: Thaumetopoeidae)

#### 14:45 -15:00 Murat Yalçın- Student speech

Efficacy of *Beauveria bassiana* isolates for control of *Acanthoscelides obtectus* (Say) (Coleoptera:Bruchidae)

#### 15:00-15:15 Asiye Uzun- Student speech

Effects of *Fusarium subglutinans* on *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae)

#### 15:15-15:30 H. Didem Sağlam

Nematicidal activity of *Beauveria bassiana* (Bals.-Criv.)Vuill. against root-knot nematode in tomato grown under natural conditions

### 15:45 DEPARTURE FROM CAMPUS

### 16:30-20:00 BARBECUE AT ANKARA UNIVERSITY HAYMANA FARM

## 11 SEPTEMBER 2015 FRIDAY

### 08:30-10:00 SESSION VI (Moderator: Mark Goettel)

#### 08:30-09:00 Tariq Butt- Keynote speech

Enhancing the efficacy of entomopathogenic fungi for pest control

#### 09:00-09:15 Özlem Güven

Pine processionary moth pupae are susceptible to the entomopathogenic fungus *Metarhizium anisopliae*

#### 09:15-09:30 Esra Gül- Student speech

Morphological characterization of fungal pathogens isolated from the sunn pests (*Eurygaster* spp.) in Turkey

#### 09:30-09:45 Seda Kocaçevik- Student speech

Isolation, characterization and virulence of highly promising entomopathogenic fungi from *Amphimallon solstitiale* (Coleoptera: Scarabaeidae)

#### 09:45-10:00 Emine Sönmez- Student speech

A highly effective entomopathogenic fungus against the pine processionary moth (*Thaumetopoea pityocampa* Denis & Schiffermüller)

### 10:00-10:30 COFFEE BREAK

### 10:30-12:15 SESSION VII (Moderator: Martin Erlandson)

#### 10:30-11:00 David Theilmann- Keynote speech

Getting in and getting out: Function of proteins involved baculovirus oral infection and systemic spread

#### 11:00-11:30 Dwayne Hegedus- Keynote speech

Relating peritrophic matrix structure and function to baculovirus efficacy

#### 11:30-11:45 Sibel Gömeç- Student speech

Modeling midgut defense in response to pathogens in *Spodoptera littoralis* (Lepidoptera:Noctuidae)

#### 11:45-12:00 Esengül Özdemir- Student speech

Insect intestinal mucins in *Spodoptera littoralis*: Sacrifices of baculoviral infections

#### 12:00-12:15 Oğuzhan Yanar

The effects of diet quality on the survival of *Vanessa atalanta* larvae infected by *Bacillus thuringiensis* subsp. *kurstaki*

### 12:15-13:30 LUNCH

### 13:30-14:45 SESSION VIII (Moderator: Jenny Cory)

#### 13:30-14:00 Adly M. M. Abd-Alla- Keynote speech

Progress in management of hytrosavirus infection in tsetse mass rearing factories

#### 14:00-14:15 Emine Özşahin

*Amsacta moorei* entomopoxvirus encodes a functional esterase (amv133) with protease activity

#### 14:15-14:30 Cihan İnan- Student speech

The putative glycosyl transferase gene (AMV248) of *Amsacta moorei* entomopoxvirus encodes a heparin binding protein

#### 14:30-14:45 Yunus Bayram

The authorization situation of entomopathogenic microorganisms as plant protection products in Turkey

### 13:30-17:00 POSTER SESSION

### 19:00 DEPARTURE FROM CAMPUS

### 19:30 GALA DINNER/CLOSING-VALİ GALİP DEMİREL VİLAYETLER HOUSE

## **Poster Session (Sep 11, 13:30-17:00):**

- Poster should be attached to the boards by the number shown (P...) by Sep 9, Wednesday, 17:30. The posters with **STU** sign competes for the “best student poster presentation” award. Only presenter’s name are shown below:

**P01. Efficacy of *Bacillus thuringiensis* alone and combination with the novel zeolite formulations to control adults of *Tribolium confusum* on stored wheat**  
İsmail Demir

**P02.**STU** Insecticidal effects of *Bacillus megaterium* isolates against fall webworm (*Hyphantria cunea* Drury, (Lepidoptera: Arctiidae)**  
Murat Öztürk

**P03.**STU** Acaricidal effects of fluorescens pseudomonads against to two spotted spider mite (*Tetranychus urticae* Koch)**  
Murat Öztürk 62

**P04. Evaluating molasses broth for producing *Bacillus thuringiensis* strains**  
Abdurrahman Ayvaz

**P05. Biocontrol potential of native *Bacillus thuringiensis* strains against *Culex pipiens* (Diptera:Culicidae)**  
Uğur Azizoğlu

**P06.**STU** Isolation, characterization and insecticidal activity of bacteria from warehouse**  
Ebru Güney

**P07. Toxicity of a new strain of *Bacillus thuringiensis* and *Serratia marcescens* to Colorado potato beetle (Coleoptera: Chrysomelidae)**  
Özlem Güven

**P08. Determination of bacterial control agent of *Ricania simulans***  
Kazım Sezen

**P09.**STU** Determination of bacterial agent of *Ephestia cautella***  
Aysun Adıgüzel

**P10.**STU** Investigation of antifungal properties of some *Bacillus* isolates on phytopathogenic fungi**  
Sermin Yıldırım

**P11. Chitinase gene screening for native *Bacillus* spp., isolates**  
Semih Yılmaz

**P12.**STU** Characterization and determination of the bacterial flora in the digestive tract of *Lixus cardui* Fabricius, 1801 (Coleoptera: Curculionidae)**  
Yasemin Erbey

**P13. The effect of natural substrates on the yield of conidia and blastospores of *Metarhizium anisopliae* (Ascomycota: Clavicipitaceae)**  
Reza Talaei-Hassanloui

**P14. Screening diseased fruit tree habitats for isolation and characterization of various entomopathogenic *Bacillus thuringiensis* spp. in Amasya, Turkey**  
Canan Usta

**P15. The influence of two native isolates of *Metarhizium anisopliae* on mortality of *Spodoptera littoralis* larvae co-injected with eicosanoid biosynthesis inhibitors**

Hasan Tunaz

**P16.*STU* Effects of successive sub-culturing on stability of local strains of *Metarhizium***

Emine Sönmez

**P17.*STU* Entomopathogenic fungi from the alfalfa weevil, *Hypera postica* (Gyllenhal) (Coleoptera: Curculionidae)**

Birgül Yücel

**P18.*STU* Comparison of entomopathogenic fungi *Beauveria bassiana* and *Paecilomyces fumosoroseus* in terms of pathogenicity on greater wax moth *Galleria mellonella***

Meltem Ulusoy

**P19. Correlation between entomopathogenic fungal density in soil and mortality results of insect bait method**

M. Kubilay Er

**P20. Importance of entomopathogens in the control of mites**

Ayşe Yeşilayer

**P21. Susceptibility of *Polyphagotarsonemus latus* (Banks) (Prostigmata: Tarsonemidae) eggs to isolates of entomopathogenic fungus *Beauveria bassiana* (Bals.) Vuill**

Rana Akyazı

**P22. Pre-studies on the effect of Turkish isolate of entomopathogenic fungus [*Purpureocillium lilacinum* (syn: *Paecilomyces lilacinus*)] on the adults of bean weevil, *Acanthoscelides obtectus* Say. (Coleoptera: Bruchidae)**

Turgut Atay

**P23. Occurrence of entomopathogenic fungus *Beauveria* sp. on overwintered adults of *Hypera postica* (Gyllenhal) (Coleoptera, Curculionidae) and *Gonioctena fornicata* (Brüggemann) (Coleoptera, Chrysomelidae) in soil**

Turgut Atay

**P24.*STU* Usage possibilities of *Beauveria bassiana* (Bals.–Criv.) Vuill for control of parasite [*Varroa destructor* Anderson and Trueman (Parasitiformes: Varroidae)] on honeybees**

Gamze Esin Kılınç

**P25. Screening native isolates of entomopathogenic fungi against three stored-product pest insects**

Ali A. Işıkber

**P26. Factor affecting the occurrence and distribution of entomopathogenic fungi at Erzincan**

Engin Kılıç

**P27. The effects of entomopathogenic fungi against *Heliothis armigera*, *Spodoptera littoralis*, *Tenebrio molitor* and *Blattella germanica***

Engin Kılıç

**P28. Modify method for isolation of entomopathogenic fungi from soil using mealworm-*Tenebrio molitor***

Medea Burjanadze

**P29. Isolation of *Beauveria bassiana* from the larvae of the European cockchafer-*Melolontha melolontha* L.(Col: Scarabaeidae ) at Erzincan Province in Turkey**  
Engin Kılıç

**P30. The activity of *Beauveria bassiana* and *Fusarium* sp. on some storage pests**  
Neslihan Bayrak

**P31. Evaluation of entomopathogenic fungus isolates against two-spotted spidermite (*Tetranychus urticae* Koch, Acari: Tetranychidae)**  
Dürdane Yanar

**P32. Effect of treatment with entomopathogenic fungi and opportunistic soil fungi on *Galleria mellonella* (Lepidoptera: Pyralidae)**  
Özlem Güven

**P33. Possible use of entomopathogenic fungi in the control of plant diseases**  
Özlem Güven

**P34. Effects of entomopathogenic fungi on tomato defense against root rot**  
Özlem Güven

**P35. Entomopathogenic fungi found on nymphs of *Lyristes plebejus* (Scop.) in Turkey**  
Cevdet Kaplan

**P36. Effect of entomopathogenic fungus, *Purpureocillium lilacinum* (Syn: *Paecilomyces lilacinus*) on major wheat root lesion nematode, *Pratylenchus thornei* on wheat under greenhouse conditions**  
Dolunay Erdoğan

**P37. Turkish isolate of entomopathogenic fungus, *Purpureocillium lilacinum* (Syn: *Paecilomyces lilacinus*) controlling of root-knot nematodes (*Meloidogyne arenaria*, *M. incognita* and *M. javanica*)**  
Dolunay Erdoğan

**P38.**STU** Combination efficacy of *Purpureocillium lilacinum* 251 and floupyram to suppress *Meloidogyne incognita* under the controlled conditions on tomato**  
Fatma Gül Göze

**P39. The effect of *Purpureocillium lilacinum* strain 251 in the different application time to control *Meloidogyne incognita* on tomato**  
Mehmet Ali Söğüt

**P40. Registration of indigenous microbial plant protection products in Turkey**  
Nedim Altın

**P41.**STU** Abiotic and biotic factors influencing control potentiality of entomopathogens**  
Burcu İnal

**P42.**STU** Facultative endosymbionts: Defense against entomopathogens**  
Burcu İnal

**P43.**STU** Safety of entomopathogens**  
Sedat Sevin

**P44. Modern biotechnology for entomopathogens**  
Aysel Kekillioğlu

**P45. Biopesticide roles of bees (Insecta: Hymenoptera)**

Aysel Kekilliođlu

**P46. The effects of heavy metals on insect infection**

Ođuzhan Yanar

**P47. *STU* Entomopathogens and their application to stored product pests**

Sevim Dođan

**P48. Biological control potential of native entomopathogenic nematodes against *Holotrichapion (Apiops) pullum* (Gyllenhal) (Coleoptera: Apionidae)**

Turgut Atay

**P49. Efficacy of three entomopathogenic nematodes against, Bean Weevil, *Acanthoscelides obtectus* Say. (Coleoptera: Bruchidae) adults**

Turgut Atay

**P50. Efficacy of native entomopathogenic nematodes against flour beetles, *Tribolium castaneum* (Herbst) and *T. confusum* (Jacquelin du Val) (Coleoptera: Tenebrionidae)**

Sait Ertürk

**P51. *STU* Efficacy of entomopathogenic nematodes against the green peach aphid, *Myzus (Nectarosiphon) persicae* Sulzer (Hemiptera: Aphididae)**

Şahin Kök

**P52. The most widely used molecular techniques for entomopathogenic nematodes taxonomy**

Salih Karabörklü

**P53. Evaluation of entomopathogenic nematodes against mealybug, *Planococcus ficus* Signoret (Homoptera: Pseudococcidae)**

Nona Mikaia

**P54. Biocontrol potential of the entomopathogenic nematodes *Heterorhabditis bacteriophora* and *Steinernema carpocapsae* on pistachio root beetle larvae, *Capnodis cariosa hauseri* (Coleoptera: Buprestidae), under laboratory conditions**

Javad Karimi

**P55. Efficacy of entomopathogenic nematodes against the hazelnut weevil *Curculio nucum* L. (Coleoptera: Curculionidae) in laboratory**

Samet Gürel

**P56. Entomopathogenic viruses and their application areas**

Selda Umar

**P57. *STU* Investigating the role of viral protein kinases in *Amsacta moorei* entomopoxvirus (AMEV) cell entry**

Mehtap Danişmazođlu

**P58. *STU* Detection and identification of a new ascovirus isolate (HaAV) from *Helicoverpa armigera* (Lepidoptera: Noctuidae) (cotton bollworm) in Turkey**

Gözde Büşra Elçin

**P59. Morphological, biochemical, and phylogenetic analyses of Turkish isolate of *Spodoptera littoralis nucleopolyhedrovirus***

M. Oktay Gürkan

**P60. A new entomopathogen (Apicomplexa/ Neogregarinorida) from *Crioceris asparagi* (Linne, 1758) (Coleoptera: Chrysomelidae)**  
Hilal Baki

**P61. Entomopathogens infecting mites**  
Heval Diler