

WELCOME TO EMC26

10th International Entomopathogens and Microbial Control Congress October 27-29, 2026, Ankara, Türkiye

Tuesday, October 27, 2026 – ASO Congress Center	
08.00-18.00	Registration
	Opening Ceremony
	Ardahan ESKİ, Chair of EMC26
10.00-11.00	Aslı DOĞAN, Asterion Biotechnology
	Opening Lecture
	Zihni DEMİRBAĞ Insect Viruses: From Sustainable Biopesticides to Versatile Biotechnological Tools
11.00-11.30	Coffee Break
11.30-12.45	Section 1
	Moderator Zihni DEMİRBAĞ
11.30-12.00	Keynote talk Yunus BAYRAM From Policy to Practice: Advancing Biological and Microbial Control for Sustainable Pest Management in Türkiye
12.00-12.30	Keynote talk Mohammadreza REZAPANAH Organic 3.0, a nexus framework, for boosting soil amendment till regional market of microbial control agents
12.30-12.45	Rachid AZENZEM Global Patterns of Pesticide Use and Biocontrol Adoption: Where Does Africa Stand?
12.45-13.30	Lunch
POSTER DISPLAY Posters can be visited until 17.00 on Day-3 (October 29, 2026)	
13.30-15.00	Section 2
	Moderator Umut TOPRAK
13.30-13.45	Arzu ŞENTÜRK SALIK, Agrobay Greenhouse
13.45-15.00	PANEL-Registration variation of Microbial Control Agents or Regional Synchronization?
15.00-15.30	Coffee Break
15.30-16.45	Section 3
	Moderator Hatice ÖZAKTAN
15.30-16.00	Keynote talk İsmail KARACA The effects of climate change on pest and beneficial organisms
16.00-16.15	Seher ÖZTÜRK Evaluation of mortality and hsp70 transcriptional responses of the housefly, <i>Musca domestica</i> (Linnaeus, 1758) (Diptera: Muscidae)
16.15-16.30	Cevdet Barış BEYAZGÜL Isolation and characterization of entomopathogenic fungi and their combined effects with essential oil against the storage pest, <i>Tenebrio molitor</i>
16.30-16.45	Hanieh Sadat Azizi Kashi Assessment of citrus essential oil and its binary mixtures with <i>Trachyspermum ammi</i> on mortality and life table of <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Chrysomelidae)
16.45-17.00	Coffee Break
17.00-18.30	Section 4
	Moderator Dürdane YANAR
17.00-17.30	Keynote talk Semih YILMAZ Beyond Entomopathogenicity: Expanding the Functional Spectrum of <i>Bacillus thuringiensis</i> in Sustainable Agriculture
17.30-17.45	Pınar ÖZSARI Potential Use of Some Entomopathogenic Bacteria and Chlorantraniliprole in Integrated Pest Management for the Control of <i>Spodoptera littoralis</i> (Boisduval) (Lepidoptera: Noctuidae)
17.45-18.00	Hatice ÖZAKTAN Can probiotic bacteria be used in the control of <i>Spodoptera littoralis</i> (Boisduval) (Lepidoptera: Noctuidae): An example of a preliminary study?
18.00-18.15	Semih YILMAZ Recent advances in the use of <i>Bacillus thuringiensis</i> for the control of plant parasitic nematodes
19.30 - 21.00	Welcome Dinner at ASO Congress Center

Wednesday, October 28, 2026 – ASO Congress Center	
09.00 – 10.30	Section 5
	Moderator Yusuf YANAR
09.00-09.30	Keynote talk Aslı ÖZDEMİR ÖZKIRIM Chitosan as a Prebiotic: Its Role in Honey Bee Biology and Varroa Management
09.30-10.00	Keynote talk Rafiq GURBANOV Postbiotic Strategies for Enhancing Gut Integrity and Metabolic Resilience in <i>Apis mellifera</i>
10.00-10.15	Kübra ZENGİN Probiotic and antimicrobial potential of <i>Apilactobacillus kunkeei</i> and <i>Bombella apis</i> isolated from bee microbiota
10.15-10.30	Engin KILIÇ Potential of Entomopathogenic Fungi for the Management of Honeybee (<i>Apis mellifera</i>) Pests in Türkiye: Biological Control, Bee Safety, Formulation and Integrated Pest Management Perspectives
10.30 – 10.45	Coffee Break
10.45 – 12.30	Section 6
	Moderator Kahraman İPEKDAL
10.45-11.15	Keynote talk Umut TOPRAK Earth, Moon, Mars: From Formulation Fundamentals to Nano-Enabled Delivery in Microbial Pest Control
11.15-11.30	Engin KILIÇ The role of entomopathogenic microorganisms in the production of pharmaceutical products
11.30-12.00	Jean Claude NDAYIRAGIJE Effects of entomopathogenic fungi isolated from bean fields in Burdur province against <i>Rhizoctonia stem rot</i> and <i>Black bean aphid</i>
12.00-12.15	Jean Claude NDAYIRAGIJE Synergistic effects of <i>Metarhizium brunneum</i> and a Turkish <i>Beauveria bassiana</i> isolate on insect virulence and growth promotion in maize and common bean
12.15-12.30	Neslihan AKARSU Isolation and Evaluation of the Bioactive Potential of <i>Streptomyces</i> spp. Associated with <i>Melolontha melolontha</i> Larvae
12.30 - 13:15	Lunch
13:15 - 17:00	CITY TOUR
13:15	Departure to the Ankara Rahmi Koç Museum & Ankara Castle
17.00	Return to the convention center

Thursday, October 29, 2026 – ASO Congress Center	
08.45 -09.00	Republic day celebration
09.00-10.30	Section 7
	Moderator Eustachio TARASCO
09.00-09.30	Keynote talk Tariq Butt High Virulence of <i>Metarhizium</i> ARSEF 4556 Against Eggs, Nymphs, and Adults of the Neotropical Brown Stink Bug, <i>Euschistus heros</i> .
09.30-10.00	Keynote talk Mariam CHUBINISHVILI Sustainable Control of the Brown Marmorated Stink Bug (<i>Halyomorpha halys</i>) in Georgia: Microbial Agents and Biological Management
10.00-10.15	Barış GÜLCÜ The Potential of <i>Trichoderma</i> sp. Application in Reducing Fruit Damage Caused by the Brown Stink Bug (<i>Halyomorpha halys</i>) in Hazelnuts (<i>Corylus avellana</i> L.)
10.15-10.30	Merve Ayşe DOĞANCI Biocontrol Potential of Local Entomopathogenic Fungi in <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) Populations
10.30-10.45	Coffee Break
10.45-12.45	Section 8
	Moderator Selçuk HAZİR
10.45-11.15	Keynote talk Basıl ARIF Origin and Evolution of Viruses
11.15-11.45	Keynote talk Sergey PAVLUSHIN The features of insect outbreaks using <i>Lymantria dispar</i> as an example
11.45-12.00	Cihan İNAN The <i>Vaccinia</i> Virus L1 Orthologue <i>amv217</i> Is Required for Productive Replication of <i>Amsacta moorei</i> Entomopoxvirus
12.00-12.15	Dönüş GENÇER Comparative Genomics of <i>Baculovirus</i> Isolates from Türkiye
12.15-12.30	Anna O. SUBBOTINA Phenotypic plasticity of candidate bioinsecticide <i>Dendrolimus sibiricus</i> cypovirus-1 across producer and target hosts
12.30-12.45	Mohammadreza REZAPANAH Effects of <i>Azadirachtin</i> on Apoptosis-Related Genes and Susceptibility of <i>Helicoverpa armigera</i> to its nucleopolyhedrovirus (HaNPV)
12.45-13.30	Lunch
13.30-15.00	Section 9
	Moderator İsmail KARACA
13.30-14.00	Keynote talk Eustachio TARASCO Evaluation of entomopathogenic nematode community subjected to different levels of environmental pressure
14.00-14.30	Keynote talk Selçuk HAZİR The Molecular and Chemical Basis of Scavenger Deterrence in Entomopathogenic Nematodes
14.30-14.45	Tufan Can ULU Entomopathogenic Nematodes in the Rhizosphere Affect the Performance of <i>Myzus persicae</i> Sulzer (Hemiptera: Aphididae) on Pepper Leaves
14.45-15.00	Merve İNCİR ÖZ Evaluation of Plant Oil-Based Oil Dispersion Formulations of <i>Beauveria bassiana</i> 120607 Against <i>Myzus persicae</i> Sulzer on Eggplant
15.00-15.15	Coffee Break
15.15-17.00	Section 10
	Moderator Mariam CHUBINISHVILI
15.15-15.45	Keynote talk Kahraman İPEKDAL Integrating Phylogeography, Ecology, and Climate Change: A Multidisciplinary Approach to the Pine Processionary Moth Complex
15.45-16.00	Nastja MESAREC Effects of biological control agents, the entomopathogenic fungus <i>Metarhizium brunneum</i> on the behaviour, feeding activity, and survival of <i>Porcellio scaber</i> (Isopoda)
16.00-16.15	Seda BİRYOL Insecticidal and Antimicrobial Potential of <i>Beauveria bassiana</i> Pa-4 and its Crude Secondary Metabolites Against <i>Dendroctonus micans</i>
16.15-16.30	Meltem ULUSOY Long-Term Stability and Insecticidal Activity of <i>Beauveria bassiana</i> Spores Encapsulated in Poly(HEMA) Cryogel
16.30-16.45	Jean Claude NDAYIRAGIJE Single and combined effects of <i>Metarhizium</i> and <i>Beauveria</i> isolates on <i>Tenebrio molitor</i> larvae
16.45-17.00	Nabila Fitri ROSYIDAH Effects of botanical biopesticide on the eclosion stage of <i>Bactrocera dorsalis</i> complex
17:00 - 18:00	Closing
19:00 – 21.00	Gala Dinner at ASO Congress Center



POSTER PRESENTATIONS

- PP01** Ainaou BEN DOTI, Berra TURAN, Aydın YEŞİLYURT, Cihan İNAN, Remziye NALÇACIOĞLU, Zihni DEMİRBAĞ, *Biotechnological Prospects of Chilo Iridescent Virus (CIV)*
- PP02** Arash FARHOOMAND, Hanieh Sadat AZIZI KASHI, Bahram NASERI, Asgar EBADOLLAHI, Synergistic and individual effects of Citrus paradisi and Trachyspermum ammi essential oil on mortality and population growth of Callosobruchus maculatus (F.) (Coleoptera: Chrysomelidae)
- PP03** Harun KILIÇ, Duygu BEKİRCAN ESKİ, Ardahan ESKİ, *Insecticidal Potential of Tomato-Associated Endophytic Bacteria Against Tuta absoluta Meyrick (Lepidoptera: Gelechiidae)*
- PP04** Asma TAZIR, Djihan BAKLI, Leila KIRANE-AMRANI, *Laboratory evaluation of the fumigant biopesticidal potential of Salvia officinalis essential oil against Ephestia kuehniella larvae (Lepidoptera: Pyralidae)*
- PP05** Bahram NASERI, Hanie Sadat AZIZI KASHI, Asgar EBADOLLAHI, *Effects of peppermint, Mentha piperita L. and fennel, Foeniculum vulgare Mill.essential oils on mortality, life table, and digestive enzymatic activity of Callosobruchus maculatus (F.) (Coleoptera: Chrysomelidae)*
- PP06** Beyza Buse YILMAZ, Zeynep BAYRAMOĞLU, İsmail DEMİR, *Determination of Infection Activities of Various Entomopathogenic Nematode Isolates on Tenebrio molitor and Galleria mellonella Larvae*
- PP07** Bora ÖKTEM, Merve Ayşe DOĞANCI, Ebru GÜNEY AYDIN, İsmail DEMİR *Determination of the external surface bacterial flora of the brown marmorated stink bug (Halyomorpha halys, Hemiptera: Pentatomidae) and investigation of its insecticidal potential*
- PP08** Dijhen BAKLI, Asma TAZIR, Leila KIRANE AMRANI, *Insecticidal toxicity of Pelargonium graveolens essential oil against Ephestia kuehniella: Potential as a botanical biopesticide*
- PP09** Dürdane YANAR, Emre ALGAN, Yusuf YANAR, *Ovicidal effects of local Beauveria bassiana isolates on the greenhouse white fly, Trialeurodes vaporariorum (Homoptera: Aleyrodidae)*
- PP10** Duygu BEKİRCAN ESKİ, Zeynep Feyza TETİK, Cihan DARCAN, *Characterization of the Paracitovorax citrulli-Specific Bacteriophage DB_AC1 Isolated from Watermelon-Growing Areas in Türkiye*
- PP11** Ebru GÜNEY AYDIN, Hasret Simge YILDIZ, Kazım SEZEN, *Bacterial Isolates from Haritalodes derogata and Their Insecticidal Efficacy*
- PP12** Ebru GÜNEY AYDIN, Beyzanur ŞAHİN, İsmail DEMİR, *Investigation of the bacterial control agent of Altica brevicollis Foudras (Coleoptera: Chrysomelidae)*
- PP13** Fetahna KOÇ, Neslihan AKARSU, Remziye NALÇACIOĞLU, Zihni DEMİRBAĞ, *Microbiome Characterization of Agalena labyrinthica and its Biotechnological Significance*
- PP14** Gülendam DEMİR, Zihni DEMİRBAĞ, Remziye NALÇACIOĞLU, *Proctolin Neuropeptide Analogs as Next-generation Biopesticide for the Control of the Leptinotarsa decemlineata*
- PP15** Nigar TÜRKMEN, Funda BİLGİLİ TETİKOĞLU, Zihni DEMİRBAĞ, Hacer MURATOĞLU, *Expression of AMV186 Protein of Amsacta moorei entomopoxvirus Using the Bac-to-Bac System*
- PP16** Mustafa AÇIKGÖZ, Hatice ÇOLAK, Mahmut Murat ASLAN, Ardahan ESKİ, İsmail DEMİR *Entomopathogenic fungi effective against Capnodis cariosa (Pallas, 1776) (Coleoptera: Buprestidae)*
- PP17** Husen GÜNDÜZ, Neslihan AKARSU, Remziye NALÇACIOĞLU, Selda DURMUŞOĞLU, Asım KADIOĞLU, Zihni DEMİRBAĞ, *Biological Potential of Bacterial Isolates from Some Common Pests for Environmentally Friendly Biopesticide Development*
- PP18** Ayşe KARAYAVUZ, Kevser AYGÜN, Ebru GÜNEY AYDIN, İsmail DEMİR, *Identification of Culturable Bacteria of Eurydema ornatum L. (Heteroptera: Pentatomidae)*
- PP19** Jabraeil RAZMJOU, Mozghan MARDANI-TALAEI, *Algal-mediated zinc oxide nanoparticles as dual-action agents for tomato biofortification and Phthorimaea operculella suppression*
- PP20** Javad SALMANI-MOGHANLOU, Aysona AGHCHELI, Bahram NASERI, Asgar EBADOLLAHI, Arash FARHOOMAND, Hanieh Sadat AZIZI KASHI, *Contact Toxicity and Sublethal Effects of Lavandula angustifolia Essential Oil on the Cowpea Weevil, Callosobruchus maculatus (F.)*
- PP21** Ebru GÜNEY AYDIN, Kevser AYGÜN, Dönüş GENÇER, Ardahan ESKİ, İsmail DEMİR *Spodoptera littoralis nucleopolyhedrovirus (SpliNPV) from Türkiye*
- PP22** Manana KAKHADZE, Irine RIZHAMADZE, Rusudan SKHIRTADZE, Maia METREVELİ, *Ecological Framework for Risk Management of the Introduction and Release of the Biological Control Agent Tormus sinensis in Georgia*
- PP23** Maryam ROUHANEH, Neslihan AKARSU, Hatice KATI, Sabriye ÇANAKÇI, Remziye NALÇACIOĞLU, Zihni DEMİRBAĞ, *Insecticidal and Growth-Inhibitory Effects of Violacein on Galleria mellonella Larvae*
- PP24** Merve Ayşe DOĞANCI, Zeynep BAYRAMOĞLU, Dönüş GENÇER, İsmail DEMİR, *Culturable Bacteria Isolation and Identification of Glyphodes pyloalis (Walker:1859) (Lepidoptera: Crambidae)*
- PP25** Merve İNCİR ÖZ, Mehmet Kubilay ER, *Efficacy of Different Doses of Beauveria bassiana Isolate 120607 Against Myzus persicae Sulzer on Solanum melongena L. Seedlings*
- PP26** Sıla Deniz ÖZBALIKÇI, Kübra ZENGİN, Zihni DEMİRBAĞ, Remziye NALÇACIOĞLU, *Biotechnological Control of Varroa destructor with Chitosan-Coated Double-Strand RNA (dsRNA)*
- PP27** Rabia Nur AKSU, Tufan Can ULU, *Effects of Entomopathogenic Nematode Applications on Meloidogyne incognita Suppression and Tomato Plant Growth Parameters*
- PP28** Berra TURAN, Yusuf SALİ, Cihan İNAN, *Molecular docking-based evaluation of acetylcholinesterase as a pest control target in Orosanga japonica (Hemiptera: Ricaniidae)*
- PP29** Zeynep BAYRAMOĞLU, Dönüş GENÇER, İsmail DEMİR, *Isolation, Identification and Bioassay Evaluation of Beauveria bassiana from Lepidopteran Pests in the Eastern Black Sea Region of Türkiye*
- PP30** Aybike Yaren DEMİR, *Invasive Insect Species and Food Supply Bottlenecks Associated with Global Warming*