



XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



1

POSTER SESSION 3 - 4 - 5 JULY 2018

TUESDAY 3 JULY 2018 – p. 2

- SESSION 1 Agricultural and Forest Entomology
- SESSION 2 Behaviour
- SESSION 3 Biological Control and Integrated Pest Management

WEDNESDAY 4 JULY 2018 – p. 26

- SESSION 4 Chemical Ecology and Multitrophic Interactions
- SESSION 5 Ecology and Toxicology of Insecticides
- SESSION 6 Ecology, Biodiversity and Conservation
- SESSION 8 Insect Control Biotechnology
- SESSION 13 Physiology and Biochemistry

THURSDAY 5 JULY 2018 – p. 49

- SESSION 7 Genetics and Evolutionary Biology
- SESSION 9 Insects and Global Food Production
- SESSION 10 Medical and Veterinary Entomology
- SESSION 11 Morphology, Systematics and Phylogeny
- SESSION 12 Parasitology, Pathology and Immunity
- SESSION 14 Social Insects and Apidology
- SESSION 15 Urban Entomology and Stored Product Protection
- SESSION 16 Symbiosis and Insect Vector Biology





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



2

			POSTER Title
TUESDAY 3 JULY 2018			
		PO243	IPM strategies for white fly insecticides in European greenhouse of tomato
		PO381	What do people want to know about insects and entomology?
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO001	Preliminary evaluation of Cannabis sativa and Lavandula angustifolia bioactivity against Drosophila suzukii (Diptera:Drosophilidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO002	Overwintering capability of Trichopria drosophilae a potential biological control agent of Drosophila suzukii
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO003	Abundance of the thrips species on various citrus variety in Adana Province, Turkey
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO004	Phytophagous insects occurring on maize (Zea mays L.) in Poland from the middle of the 20th to the beginning of the 21st century
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO005	Interactions between Dryocosmus kuriphilus and its associated native parasitoids in the Northwest of Spain
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO006	Electron Beam-induced Sterility and Inhibition of Ovarian Development in the Sakhalin pine longicorn, Monochamus saltuarius (Coleoptera: Cerambycidae)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



3

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO007	A comparative analysis on life table of <i>Nilaparvata lugens</i> between resistant genes Bph1, Bph2, and Bph18
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO008	First year of survey on Heteropterans associated to the inflorescence of industrial hemp (<i>Cannabis sativa</i>) in Central Italy
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO009	Monitoring activities on invasive fruit flies (Tephritidae, Diptera) in Austria
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO010	Survey of nematodes associated with pinewood in southern Italy and Lebanon
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO011	<i>Leptoglossus occidentalis</i> (Heidemann, 1910), an invasive species attacking conifers in Lebanon: Assessment of damage and preliminary laboratory control by the entomopathogen <i>Beauveria</i> <i>bassiana</i>
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO012	A first worldwide monitoring of invasive Mediterranean pine bark beetles (Coleoptera: Curculionidae, Scolytinae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO013	<i>Drosophila suzukii</i> flight activity and females reproductive status in an overwintering site over a four-year period
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO014	Olive cultivation and the main strategies to control olive key pests in Iraq
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO015	<i>Acleos</i> sp. cf. <i>foveatus</i> Voss, the new threat for <i>Ficus carica</i> : laboratory and field control trials





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



4

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO016	Native parasitoids associated with <i>Dryocosmus kuriphilus</i> in northwestern Spain: biological communities within galls of an alien and recent introduced cynipid pest.
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO017	Genetic Characterization of <i>Ceratitis capitata</i> Wiedemann. (Diptera: Tephritidae) Populations Sampled from Citrus Growing Regions of Turkey by ISSR Markers
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO018	Chemical Ecology of the bronze bug, <i>Thaumastocoris peregrinus</i> : basic and applied questions for studying a forestry pest
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO019	Population dynamics of <i>Drosophila suzukii</i> and first data on its parasitoids on Mount Etna (Italy)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO020	Harmonizing and updating alien insect datasets: the interregional approach of the ALIEM project
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO022	Functional and genetic characteristics of Chlorantraniliprole resistance in the diamondback moth, <i>Plutella xylostella</i> (Lepidoptera: Plutellidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO023	Modelling the reproduction strategy of <i>Rhopalosiphum padi</i> (Hemiptera: Aphididae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO024	Two New Point Mutations at cytochrome b of acequinocyl resistant two-spotted spider mite, <i>Tetranychus urticae</i>
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO025	Stress resistance and immune system in ladybirds: Is there a difference between native and invasive species?





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

5

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO026	Expansion of Brown Marmorated Stink Bug (<i>HALYOMORPHA HALYS</i>) in Serbia
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO027	Characterization of sterility mechanism in <i>Spodoptera litura</i> by ionizing radiation
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO028	Positive interactions between two pine borers: <i>Sirex noctilio</i> and <i>Tomicus piniperda</i>
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO029	Testing new trapping protocols for the monitoring of native and alien longhorn beetles (Coleoptera: Cerambycidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO030	Genetic variability of <i>Halyomorpha halys</i> (Stål) (Hemiptera: Pentatomidae) and its symbiotic bacteria 'Candidatus <i>Pantoea carbekii</i> ' across native and newly colonized regions
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO031	Spread and population genetics of biological control agent <i>Torymus sinensis</i> in Croatia, Slovenia and Hungary
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO032	Biological invasion by <i>Dactylopius opuntiae</i> (Cockerell) (Hemiptera Dactylopiidae) in the Mediterranean basin
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO033	Entomopathogenic fungi as a preventative biocontrol mean of date palm colonization by the red palm weevil
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO034	Modelling western corn rootworm wing structure and wing shape differences based on crop resistance using finite element analysis





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



6

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO035	Impact of the Brown Marmorated Stink Bug, <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) on Cherry
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO036	The prevention of biological invasions: the crucial role of import checks at Border Inspection Posts (BIPs). Some case studies.
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO037	Storage pests, origins and distributions: A Quaternary perspective
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO038	The alien planthopper <i>Ricania speculum</i> acquires <i>Flavescence dorée</i> phytoplasma, but is unable to transmit it
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO039	Aphrophoridae (Hemiptera) vectors of <i>Xylella fastidiosa</i> pauca OQDS juvenile quantitative sampling
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO040	Environmental niche unfilling and diet niche shift in the invaded area by the solitary wasp <i>Isodontia mexicana</i> (Hymenoptera: Sphecidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO041	The project ALIEM "Action Pour Limiter les risques de diffusion des espèces introduites Envahissantes en Méditerranée" in Sardinia
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO042	Overwintering in invasive ladybird <i>Harmonia axyridis</i> : the effect of winter temperature on survival and body mass loss
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO043	Monitoring of <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) in the urban and peri-urban environment of Geneva, and impact of heat waves on its development.





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



7

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO044	Biological traits of the red-neck longhorn beetle <i>Aromia bungii</i> (Faldermann) (Coleoptera: Cerambycidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO045	Determination the effect of chitosan and nano chitosan on <i>Pegomyia hyoscamii</i> (Witt) (Diptera: Anthomyiidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO046	Toxic effect of chitosan and nano chitosan on <i>Phyllotreta cruciferae</i> (Goeze) (Coleoptera: Chrysomelidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO047	Effects of 5-Aza-2'-deoxycytidine on egg fecundity of <i>Achroia grisella</i> F. (Lepidoptera: Pyralidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO049	Effect of high and low temperatures on the mortality of Brown Marmorated Stink Bug, <i>Halyomorpha halys</i> (Heteroptera: Pentatomidae)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO050	Interaction between <i>Halyomorpha</i> <i>halys</i> Stål and its host plant: induced defense and feeding behavior
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO051	Influence of dietary yeasts on the fecundity of adult spotted-wing <i>Drosophila</i> (<i>Drosophila suzukii</i>)
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO052	Esterase activity in <i>Ostrinia nubilalis</i> larvae under in vitro conditions
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO053	The impact of the parasitoid wasp <i>Anastatus</i> sp. on Bag-shelter moth (<i>Ochrogaster lunifer</i> Herrich- Schäffer) populations
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO054	Pheromone traps for <i>Halyomorpha</i> <i>halys</i> monitoring: evaluation of side-effects in fruit orchards





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



8

SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO055	Range Expansion of Metcalfa pruinosa (Homoptera: Fulgoroidea) in Bulgaria
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO056	Reliable Hold across the Globe? - A Case Study on Southern Green Stink Bugs
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO057	Host-parasitoid phenology at two different altitudinal gradients, the case of the chestnut galls wasp in a new expansion area
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO058	An integrative approach to assess the taxonomy and phylogeography of the genus Liophloeodes Weise 1894 (Coleoptera:Curculionidae).
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO059	Mortality tests in spotted wing drosophila (<i>Drosophila suzukii</i>) at extreme temperatures for calculating estivating and hibernating rates
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO060	Radiofrequency mediated life- variables of <i>Callosobruchus</i> <i>chinensis</i> (Coleoptera: Chrysomelidae: Bruchinae) on leguminous seeds
SESSION 1 - Agricultural and forest entomology	Invasive species biology, ecology and management	PO061	PHID-Coleo: a new diagnostic tool for beetles intercepted in wood packaging material.
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO062	DIVERSITY AND ABUNDANCE OF DIURNAL INSECTS ASSOCIATED WITH DRY SEASON <i>Amaranthus</i> <i>hybridus</i> L. IN THE UNIVERSITY OF ILORIN, NIGERIA
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO063	Effect of different fodder crops and artificial diet on fecundity and survival of armyworm, <i>Spodoptera</i> <i>litura</i> Fabricius (Lepidoptera; Noctuidae)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

9

SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO064	Age-dependent yield loss of greenhouse cucumber infected by different densities of vegetable leafminer, <i>Liriomyza sativae</i> (Dip: Agromyzidae)
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO065	The effectiveness of bio-pesticides against rice leaf folder (<i>Cnaphalocrocis medinalis</i>) to using the DNA Quantification as pesticides screening tool
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO066	Cereal aphid feeding behaviour – commonalities and differences depending on aphid species and wheat susceptibility
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO067	First insights in eggplant response to <i>Frankliniella occidentalis</i> attacks
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO068	Studying <i>Ips sexdentatus</i> Börner outbreaks in Italian coastal pine stands: technical issues behind trapping in warmer climates
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO069	Evaluation of a delta-shaped trap for the monitoring of Olive Fruit Fly with particular reference to colour, size and selectivity toward natural enemies
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO070	Remating in <i>Ceratitis capitata</i> sterile males (Wiedemann) (Diptera: Tephritidae): a positive factor in SIT programs
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO071	Monitoring and population growth of tomato russet mite, <i>Aculops</i> <i>lycopersici</i> Masee (Acari: Eriophyidae) using green label sticker
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO072	New frontiers of IPM: Pantheon (Precision Farming of Hazelnut Orchards) project for the improvement of pest control strategies





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



10

SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO073	Electroantennographic and behavioral responses of spittlebug <i>Philaenus spumarius</i> to selected essential oils
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO074	Investigations on New Resistance Sources Against to Sunn Pest from Wheat Genotypes of Anatolia
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO075	Mating behaviour and dual mode communication of pear psylla <i>Cacopsylla pyri</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO076	Maize leaf weevil (<i>Tanymecus dilaticollis</i> Gyll): serious pest problem in Romania
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO077	Portable electronic nose technology for detecting the brown marmorated stink bug
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO078	Infestation response of citrus leafminer, <i>Phyllocnistis citrella</i> (Lepidoptera: Gracillariidae) to synthetic and organic fertilization under field condition
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO079	Olfactory responses of <i>Frankliniella occidentalis</i> Pergande to attractants or repellents under plant-odour enriched conditions
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO080	Mating disruption of codling moth, <i>Cydia pomonella</i> L., by application of CIDETRAK® CMDA COMBO™ MESO™ dispensers in Bulgaria
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO081	Test of the insecticidal activity of four plants against black bean aphid (<i>Aphis fabae</i>)
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO082	Insecticide spray timing to control the Asian corn borer, <i>Ostrinia furnacalis</i> (Lepidoptera: Crambidae) in waxy corn fields





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



11

SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO083	Genetic resources from native corn for sources of resistance to the Asian corn borer, <i>Ostrinia furnacalis</i> (Guenee) in the Philippines
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO084	Sugar and amino acid preference in the ants <i>Lasius niger</i> and <i>Formica</i> <i>rufa</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO085	Effects of different insecticides on whitefly <i>B. tabaci</i> MEAM1 feeding behavior and on the Tomato chlorosis virus (ToCV) transmission in potato plants
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO086	Influence of <i>Bacillus thuringiensis</i> applications during different gradation phases on population dynamics of <i>Lymantria dispar</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO087	Ecological implications of plant responses to brief and gentle touch
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO088	<i>Solanum panduriforme</i> : A promising botanical for aphids control on brassicas
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO089	TOMATO PROSYSTEMIN: STRUCTURAL AND FUNCTIONAL CHARACTERIZATION
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO090	Effects of the leaf galling density of grape phylloxera on Sangiovese grape productions
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO091	Damage assessment of Sunn pest <i>Eurygaster integriceps</i> Put.
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO092	Management strategies to reduce wireworm damage in potatoes





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



12

SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO093	A new chance in the chestnut orchard IPM: identification of ecotypes and characterization of their resistance to <i>Dryocosmus</i> <i>kuriphilus</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO094	S.I.M.Fito and S.I.M.Fito-Lab: new tools to improve the management of phytosanitary emergencies
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO095	The resistance of different varieties of faba bean (<i>Vicia faba</i> L.) to feeding by the black bean aphid, <i>Aphis fabae</i> Scopoli
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO096	Analysis of Croatian <i>Cydia</i> <i>pomonella</i> L. (Lepidoptera: Tortricidae) population variability by using geometric morphometrics
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO096a	Importance of citrus non- commercial areas as <i>D. citri</i> and HLB inoculum source.
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO097	Biological Insect Pest Management Protocol for Cabbage Crop
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO098	A portable extraction device for assessing populations of crop pests and their natural enemies
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO099	Investigations on the insects associated with quinoa (<i>Chenopodium quinoa</i>) in northern Italy
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO100	Comparison of different outputs from simulation processes to describe <i>Anthonomus eugenii</i> (Cano) lifecycle: an overview for various development-rate functions





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

13

SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO101	Attachment ability of the green stink bug <i>Nezara viridula</i> (Heteroptera: Pentatomidae) on artificial substrates and host plant surfaces
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO102	Development and Reproduction of <i>Grapholita molesta</i> and <i>Grapholita</i> <i>dimorpha</i> (Lepidoptera: Tortricidae) on Immature Fruits of Peach, Plum, and Apple
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO103	CYDNIGPRO – Development of a Decision Support System to regulate pea moths <i>Cydia nigricana</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO104	Definition and population dynamics of “green leafhoppers”, a complex of sympatric pests species in Israeli vineyards
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO105	Identifying pre and post-alighting resistance to <i>Rhopalosiphum padi</i> (bird cherry-oat aphid) in ancestral wheat lines
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO106	Symbiotic control of the olive fruit fly, <i>Bactrocera oleae</i>
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO107	Factors affecting wood ant distribution in the Białowieża Forest.
SESSION 1 - Agricultural and forest entomology	New approaches for the management of agricultural and forest pests	PO108	Management strategies to control the Cape grapevine leafminer, <i>Holocacista capensis</i> , in South Africa
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO110	Distribution of <i>Bemisia tabaci</i> cryptic species (Hemiptera: Aleyrodidae) in Italian horticultural areas endangered by the newly- introduced Tomato leaf curl New Delhi virus





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



14

SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO111	DOES THE SILK CLIPPING BY WESTERN CORN ROOTWORM (DIABROTICA VIRGIFERA VIRGIFERA LECONTE) ADULTS LEAD TO YIELD AND QUALITY LOSS IN SWEET MAIZE: RESULTS OF TWO YEARS FIELD STUDY FROM HUNGARY
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO112	Comparison of Bio-Ecology of Mediterranean Fruit Fly Populations at different elevations
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO113	Species' range shifts across latitudes in changing climate
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO114	Temperature-related voltinism and diapause in the web-spinning spruce sawfly <i>Cephalcia abietis</i>
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO115	Effects of phenological desynchronization on sawfly population dynamics under a changing climate
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO116	Starvation resistance and survival times of neonate gypsy moth, <i>Lymantria dispar</i> , larvae
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO117	Plant-herbivore interactions in the context of climate change: Effects of elevated atmospheric CO ₂ concentrations on grapevine and European grapevine moth (<i>Lobesia botrana</i>)
SESSION 1 - Agricultural and forest entomology	Impacts of climate change on agricultural and forest pests	PO118	Phenological responses in a sycamore-aphid-parasitoid system and consequences for aphid population dynamics: a 20 year case study





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



15

SESSION 2 – Behaviour	Behaviour	PO120a	Temporal pattern learning in bees
SESSION 2 – Behaviour	Behaviour	PO134	PATTERNS AND MECHANISMS OF LARVAL AGGREGATION IN NECRODES LITTORALIS L. (COLEOPTERA: SILPHIDAE)
SESSION 2 – Behaviour	Behaviour	PO135	INSECT TRAITS AS PREDICTORS FOR AGE AT EMERGENCE: REFINEMENT OF AGE ESTIMATES IN FORENSIC ENTOMOLOGY
SESSION 2 – Behaviour	Behaviour	PO136	COMPETITION BETWEEN NECRODES LITTORALIS L. (COLEOPTERA: SILPHIDAE) AND BLOW FLIES OVER CARRION
SESSION 2 – Behaviour	Mechanisms of learning and memory	PO119	Measuring insect behavior with the high-throughput individual T-maze: The effect of suboptimal learning experiences on memory retention in parasitic wasps
SESSION 2 – Behaviour	Mechanisms of learning and memory	PO120	COMPARATIVE EFFICACY OF OVITRAP COLOUR AND PATTERN TO ATTRACT MOSQUITOES IN DIFFERENT LOCALITIES OF LAHORE
SESSION 2 – Behaviour	Communication: from signal production to perception	PO121	Unveiling the vibrational communication and the mating behavior of the meadow spittlebug Philaenus spumarius (Hemiptera:Aphrophoridae)
SESSION 2 – Behaviour	Communication: from signal production to perception	PO122	The neuropeptidome of Spodoptera exigua and its regulation after viral infection.
SESSION 2 – Behaviour	Communication: from signal production to perception	PO123	Effect of predatory bug, Orius laevigatus size on Aphis gossypii defensive mechanisms





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



16

SESSION 2 – Behaviour	Communication: from signal production to perception	PO124	Adult-larva communication: experiments in the paper wasp <i>Polistes dominula</i>	vibrational playback
SESSION 2 – Behaviour	Communication: from signal production to perception	PO125	Identification of VOCs from substrates colonized by black soldier fly larvae	
SESSION 2 – Behaviour	Communication: from signal production to perception	PO126	How does nest structure shape collective behavior of ant societies?	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO127	Relatedness and reproductive success in a quasi-social parasitoid	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO128	Sperm limitation affects sex allocation in a parasitoid wasp <i>Nasonia vitripennis</i>	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO129	Differential defensive behavior of a dimorphic aphid (<i>Acyrtosiphon pisum</i>): Effect of color and size	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO130	Fruit-feeding affects fitness of an omnivorous anthocorid bug, <i>Orius strigicollis</i> (Hemiptera: Anthocoridae)	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO131	Incidence of genetic diapause and “time-memory” in <i>Microplitis rufiventris</i> wasps under constant mass rearing conditions	
SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO132	Superparasitism or host defense: Adjustment of host exploitation strategies in response to competition risk in a solitary parasitoid wasp	





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



17

SESSION 2 – Behaviour	Reproductive strategies of entomophagous insects	PO133	Reproductive strategies in aphidophagous ladybird beetles and consequences for competition
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO137	About the yellow mutant of the neotropical green lacewing <i>Chrysoperla externa</i> : biology and trait inheritance
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO138	Intraspecific variability in life history parameters of <i>Bracon brevicornis</i>
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO140	Influence of different diets on some biological parameters of the <i>Ephestia kuehniella</i> Zeller (Lepidoptera: Pyralidae)
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO141	The Potential for Satyrization as a Novel Method of Pest Control
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO142	Effects of a metagenome-sourced chitinase on the peritrophic matrix of Lepidoptera
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO143	Fitness of <i>Orius majusculus</i> reared on artificial food with different macronutrient composition





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

18

SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO144	Effects of cold storage on adult emergence and parasitism of <i>Aphidius matricariae</i> Haliday (Hymenoptera: Braconidae)
SESSION 3 - Biological Control and Integrated Pest Management	Breeding Invertebrates for Next Generation Biocontrol	PO145	Biology, ecology and behaviour of <i>Baryscapus silvestrii</i> (Hymenoptera: Eulophidae), a gregarious pupal parasitoid of fruit-infesting flies
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO147	New technologies for managing pest populations
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO148	Ecological Focus Areas to support sustainable production and integrated pest management.
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO149	Spatial signature of aphids, coccinellids, carabids and plant bugs in Karkaj alfalfa fields
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO150	Propagation in heterogeneous landscapes for pulled and pushed populations
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO151	EBIO-Network: a web-based platform for knowledge sharing on functional biodiversity in organic apple production





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



19

Management			
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO152	Parasitoids of <i>Cydia pomonella</i> overwintering larvae
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO153	Sustainable fruit production – biodiversity enhancement
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO154	Environmental variables at multiple spatial scales shape parasitoid assemblages in agroecosystems
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO155	Temporal changes in spatial distribution of carabid beetles around arable field-woodlot boundaries
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO156	Habitat manipulation to enhance natural enemy abundance in Spanish orange
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO157	Effect of non-crop vegetation on parasitoid diversity in vineyards of Israel





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

20

SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO158	Occurrence of pest and natural enemy in the field of pepper plant according to vegetation management
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO159	Effects of green cover on the biodiversity of arthropod within a Mediterranean vineyard
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO160	<i>Solanum nigrum</i> (Solanaceae): an important reservoir of parasitoids and hyperparasitoids in west and south region of Turkey
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO161	<i>Capsella bursa-pastoris</i> L. (Brassicaceae): an important overwintering host plant of the aphids in Mediterranean and Aegean costal area of Turkey
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO162	Habitat use by crop pests and natural enemies in a Mediterranean vineyard agroecosystem
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO163	Different Permanent Preservation Areas of the Pampa Biome as a Reservoir of Predatory Mites
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO164	SEASONAL DYNAMICS OF COMMON GREEN LACEWING (<i>Chrysoperla carnea</i> Stephens, Neuroptera, Chrysopidae) IN THE FIELD WITH SPRING WHEAT





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



21

SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO165	Analysis of the predator insect community in a viticultural landscape.
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO166	The importance of semi-natural habitats in the agricultural landscape as overwintering sites for beneficial arthropods
SESSION 3 - Biological Control and Integrated Pest Management	Habitat and landscape management to improve conservation biological control	PO167	Studies on the effects of landscape diversity on parasitoids and aphids in mosaic agricultural landscapes in Fujian, China
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO168	Feeding Potential and Biology of Seven Spotted Ladybird Beetle <i>Coccinella septempunctata</i> L. (Coleoptera: Coccinellidae) on <i>Schizaphis graminum</i> Under Laboratory Conditions
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO169	MANAGEMENT OF INSECT PESTS BY ENTOMOPATHOGENIC FUNGI ISOLATED FROM WALNUT SOILS BY GALLERIA BAIT METHOD IN A BIODIVERSITY HOT SPOT
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO170	Repellent Activity of Plant Essential Oils against Rice weevil, <i>Sitophilus oryzae</i> (Coleoptera: Curculionidae)
SESSION 3 - Biological Control and Integrated Pest	Exotic and native natural enemies: how to plan biological control and save environments	PO171	Improving knowledge about biological control of Scale Insects in ornamentals through collaboration and research sharing: the example of the French Casdar COCHORTI





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



22

Management			project: a decision support tool for the recommendation
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO172	Infecting the Japanese beetle emerging adults in soils treated with <i>Metarhizium anisopliae</i> Met52®: a preliminary semi-field study
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO173	Host range and predation behaviour of <i>Tetanocera elata</i> (Diptera: Sciomyzidae) larvae, a natural enemy of pestiferous slugs
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO174	Sex attractants in the invasive population of <i>Vespa velutina</i> <i>nigrithorax</i>
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO175	Varying levels of acceptance and egg abortion of the invasive <i>Halyomorpha halys</i> by different strains of native parasitoids
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO176	Predator-prey models to determine impact of climate variability on apple orchard biocontrol
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO177	Effect Of Temperature On The Pathogenicity Of Mediterranean Native Entomopathogenic Nematodes (<i>Steinernematidae</i> And <i>Heterorhabditidae</i>) From Natural Ecosystems





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

23

SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO178	Interactions among predators of the trophic guild of <i>Aphis gossypii</i> (Hemiptera: Aphididae): “when two is company and three is multitude”.
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO178a	Biological control of <i>Echinothrips americanus</i> and greenhouse whiteflies by their shared predator <i>Macrolophus pygmaeus</i> in gerbera
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO179	Garden gastropods: Integrated pest management of slugs and snails in UK gardens
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO180	Non-target host risk assessment of the egg parasitoid <i>Trichogrammatoidea cryptophlebiae</i> for classical biological control of the false codling moth in Israel
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO181	PREVALENCE OF APHIDOPHAGOUS HOVERFLIES FROM SINDH PAKISTAN
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO182	Push-Pull Strategy for Control of <i>Bemisia tabaci</i> in Tomato Green house
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO183	NATIVE AND INTRODUCED PARASITIDS IN THE BIOLOGICAL CONTROL OF THE CHESTNUT GALLWASP IN SARDINIA





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

24

SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO184	Biological control of <i>Popillia japonica</i> (Coleoptera, Scarabaeidae) in Italy: a survey of indigenous entomopathogenic nematodes and fungi
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO185	<i>Hexameris popilliae</i> n.sp.: a new mermithid nematode parasitizing the Japanese beetle <i>Popillia japonica</i> Newman in Italy
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO186	Field surveys on native egg-parasitoids attacking the exotic <i>Halyomorpha halys</i> in NW Italy
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO187	Evaluation of Bt bait efficiency on the turnip (winter) moth <i>Agrotis segetum</i>
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO188	Study on biological characteristics of sunn pest egg parasitoids
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO189	Some biological parameters of the <i>Orius vicinus</i> Ribaut (Hemiptera: Anthocoridae) at three different temperatures
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO190	Intraguild predation by the generalist predator <i>Orius albidipennis</i> on whitefly <i>Bemisia tabaci</i> parasitized by <i>Eretmocerus mundus</i> and <i>Eretmocerus eremicus</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



25

SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO191	Identification of the main components of <i>Torymus sinensis</i> venom by an integrated transcriptomic and proteomic approach
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO192	Biological control of false codling moth, <i>Thaumatotibia leucotreta</i> , using entomopathogenic nematodes
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO193	Behavioral responses of <i>Coccinella</i> <i>septempunctata</i> and <i>Diaeretiella</i> <i>rapae</i> toward semiochemicals and plant extracts
SESSION 3 - Biological Control and Integrated Pest Management	Exotic and native natural enemies: how to plan biological control and save environments	PO194	Evaluation of entomopathogenic fungi and their crude extract against peach fruit fly, <i>Bactrocera zonata</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



26

WEDNESDAY 4 JULY 2018			
		PO243	IPM strategies for white fly insecticides in European greenhouse of tomato
		PO381	What do people want to know about insects and entomology?
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO195	Sexual blunders and the slow North American spread of a European Tetropium beetle
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO196	The role of volatile organic compounds (VOCs) in mediating the host plant preference of Bagrada hilaris
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO197	Cues regulating Philaenus spumarius behaviour
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO198	Identification of volatiles released by fruit-associated yeasts for the biocontrol of Drosophila suzukii
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO199	Behavior of Stenoma catenifer in orchards of avocado varieties





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

27

SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO200	Population genetic structure and symbionts of whitefly <i>Trialeurodes vaporariorum</i> (Hemiptera: Aleyrodidae), in the UK
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO201	Electro-physiological responses and behavior of potential biological control agents of <i>Halyomorpha halys</i>
SESSION 4 - Chemical ecology and multitrophic interactions	Invasive alien species, Population genetics, Infochemical network	PO202	Olfactory Response of Predatory Bug <i>Orius albidipennis</i> and Parasitoid Wasps <i>Eretmocerus mundus</i> and <i>Eretmocerus eremicus</i> to <i>Bemisia tabaci</i> and competitor natural enemies
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co-organized by COST Action FA1405: Crop-Arthropod-Microorganism (CAMo) Interactions)	PO203	Effect of Watermelon silver mottle virus infection on the feeding behavior of <i>Thrips palmi</i>
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co-organized by COST Action FA1405: Crop-Arthropod-Microorganism (CAMo) Interactions)	PO204	<i>Trichoderma harzianum</i> modifies tomato transcriptome and metabolome while promoting direct and indirect defenses responses
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co-organized by COST Action FA1405: Crop-Arthropod-Microorganism (CAMo) Interactions)	PO205	Oviposition pattern of <i>Cameraria ohridella</i> and its consequences for offspring – interaction with leaf blotch disease and light conditions





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



28

SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO206	Wireworms under the Sword of Damocles: root volatile emissions explain contrasting field and laboratory attraction in four maize varieties
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO207	Rice OsABA8ox3 mutant reveals a mechanism linking resistance to Nilaparvata lugens with induced callose deposition
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO208	Testing the co evolutionary theory of leaf colouration: insights from the Caatinga domain
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO209	Olfactory responses of gravid female African armyworm, Spodoptera exempta Walker (Lepidoptera: Nuctuidae) to host plant volatiles
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO210	Development of a 'lure-and-kill' system to manage beetle pests of field beans and peas
SESSION 4 - Chemical ecology and multitrophic interactions	Plant-microbe-insect interactions (co- organized by COST Action FA1405: Crop- Arthropod- Microorganism (CAMo) Interactions)	PO211	Aphis gossypii modulates direct and indirect defence responses during a compatible interaction with Cucurbita pepo L. plants





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



29

SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO212	The larval ectoparasitoid <i>Holepyris sylvanidis</i> recognises suitable hosts by their cuticular hydrocarbons
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO213	Behavioral response of <i>Orius laevigatus</i> (Fieber) and <i>Orius minutus</i> (L.) to three thrips-attraction chemicals in a Y-tube olfactometer
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO214	Enlarging knowledge on cantharidin in blister beetles (Coleoptera: Meloidae)
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO215	Large expansion of gustatory receptors in the genome of the noctuid moth <i>Spodoptera littoralis</i>
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO216	Investigations on molecular mechanisms and morphology of structures involved in chemoreception in black soldier fly larvae <i>Hermetia illucens</i> (Diptera: Stratiomyidae)
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO217	Black soldier fly transcriptome analysis related to the identification of candidate chemoreceptive proteins for the detection of egg VOCs
SESSION 4 - Chemical ecology and multitrophic interactions	Molecular basis of insect communication	PO218	Study of the molecular mechanisms and morphological analysis of structures involved in chemoreception in <i>Capnodis tenebrionis</i> (Coleoptera, Buprestidae)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



30

SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO219	Sub-Lethal Effect of Phosalone and Amitraz on Cellular Energy Allocation (CEA) in the Common Pistachio Psyllid, <i>Agonoscena pistaciae</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO220	A novel wind tunnel assay for evaluating the behaviour of pyrethroid resistant <i>Aedes aegypti</i> from areas of Saudi Arabia
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO221	Bionomics of <i>Anopheles sergentii</i> and first molecular investigation of insecticide-resistant genes: Kdr and Ace-1, in Morocco
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO222	First report of L1014F-kdr mutation in <i>Culex pipiens</i> complex from Morocco
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO223	Comparative transcriptome analysis of emamectin benzoate-resistant and mevinphos-resistant <i>Plutella xylostella</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO224	Genetic mechanisms of resistance to phenylpyrazoles in the brown planthopper
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO225	Functional characterization and signal transductions analysis of Latrophilin receptor in <i>Tribolium castaneum</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO226	Investigation on the effect of imidacloprid different concentrations on lipid peroxidation and antioxidant defense enzyme activity in the termite <i>Microcerotermes diversus</i> (Isoptera: Termitidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO227	Baseline Susceptibility and Assessment of Resistance Risk to flubendiamide in <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae) populations from





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



31

			Kuwait
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO228	Susceptibility and resistance of R-(+), S-(-)-limonene and Citrus essential oils against two Colombian strains of <i>Aedes aegypti</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO229	Susceptibility of cabbage stem flea beetle (<i>Psylliodes chrysocephala</i> L.) to pyrethroids and neonicotinoids in the Czech Republic
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO230	The Efficacy of Insecticides against Diamondback Moth Larvae from the Litoměřice (CZ) Region.
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO231	Bioassays - quick proof of Colorado potato beetle field resistance
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO232	Cereal aphid & BYDV control in light of resistance emergence
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO234	The activation of ABC transporter genes in adults of the malaria vector <i>Anopheles stephensi</i> , in response to permethrin
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO235	Survey on the distribution of target site resistance to pyrethroids in <i>Varroa destructor</i> in Lombardia (Northern Italy)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO236	<i>Drosophila melanogaster</i> and its microbiota: the response of the holobiont to xenobiotic challenge
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO237	DIAMIDE RESISTANCE IN LEPIDOPTERAN SPECIES AS CONFERRED BY TARGET-SITE MUTATIONS IN THE RYANODINE RECEPTOR





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



32

SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO238	Western Corn Rootworm Abundance, Injury to Maize, and Resistance to Cry3Bb1 in the Local Landscape of Previous Problem Fields
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO239	Selectivity of pyrethroid to aphidophagous predators mediated by resistance to insecticides
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO240	Ketoenol toxicity in Mediterranean populations of the whitefly <i>Bemisia tabaci</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO241	Pyrethroid resistance in the olive fruit fly <i>Bactrocera oleae</i> : evolution, molecular characterisation and operational impact
SESSION 5 - Ecology and toxicology of insecticides	Insecticide Resistance	PO242	Molecular cloning and characterization of GABA Receptor and GluCl genes in the western flower thrips, <i>Frankliniella occidentalis</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO244	Evaluation of insecticidal, biological and biochemical effects of monoterpenes against the cotton leafworm, <i>Spodoptera littoralis</i> Bois. (Lepidoptera: Noctuidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO245	Effects of azadirachtin on hemocyte behavior of <i>Galleria mellonella</i> (Lepidoptera: Pyralidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO246	Insecticidal and synergistic effects of mixtures of certain systemic and contact insecticides on <i>Myzus persicae</i> (Sulzer)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO247	Insecticidal activity of 4 essential oils (Eucalyptus) of Tunisian origin on the eggs of <i>C. maculatus</i> .





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



33

SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO248	Insecticidal effect and residual activity of nanocapsules and commercial formulation of pirimicarb against <i>Myzus persicae</i> (Sulzer)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO249	Activity of residues of the chitin synthesis inhibitor triflumuron on <i>Halyomorpha halys</i> (Stål) nymphs
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO250	The application of some pesticides on <i>Eurygaster integriceps</i> Put. (Hem.: Scutelleridae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO251	Neurotoxicity effects of <i>Mentha longifolia</i> essential oil, AChE inhibition and octopaminergic sites, against two insect models, <i>Plodia interpunctella</i> (Lep: Pyralidae) and <i>Tuta absoluta</i> (Lep: Gelechiidae).
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO252	Effects of kinetin on hemocytes of the model insect <i>Achroia grisella</i> F. (Lepidoptera: Pyralidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO253	Impact of Deltamethrin treatment on leaf miner <i>Liriomyza cicerina</i> (Diptera: Agromyzidae) and the side-effects on its associated parasitoids
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO254	Effect of Lactone Glycoside on Feeding deterrence and Nutritive Physiology of Tobacco caterpillar <i>Spodoptera litura</i> Fabricius (Noctuidae: Lepidoptera)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide mode of action: biological and biochemical aspects	PO255	Larvicidal N-benzyl-4-aminopiperidine-based molecules against <i>Aedes aegypti</i> mosquito with anti-cholinergic properties





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



34

SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO256	Diazinon Degradation by Soil Isolate Bacteria and Measuring of the Residual Concentration in the Presence of These Isolates by HPLC
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO257	Side-effects of two strobilurin fungicides on <i>Nesidiocoris tenuis</i> and <i>Macrolophus pygmaeus</i> (Hemiptera: Miridae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO259	Assessment of insecticidal activities of farm-made plant extracts against two insect pests, <i>Aphis gossypii</i> (Homoptera: Aphididae) and <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO260	Insecticide Horizontal Transfer from Tephritid Male Lures Containing Reduced Risk Pesticides
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO261	Understanding the Genetics of Insecticide Absorption, Distribution, Metabolism and Excretion
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO262	Plant identification of pesticide contamination in honeybee-collected pollen
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO264	DNA damages in haemocytes of carabid beetles <i>Harpalus</i> (<i>Pseudophonus</i>) <i>rufipes</i> (De Geer, 1774) – neutral Comet assay in environmental monitoring
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO265	Lethal and Sub-lethal Effects of Lufenuron and Alstystin on Brinjal Shoot and Fruit borer, <i>Leucinodes orbonalis</i> (Lepidoptera: Pyralidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO266	Effect of Thiamethoxam on Total Hemocyte Counts of <i>Galleria mellonella</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



35

SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO267	Fumigant toxicity of essential oil from <i>Artemisia sieberi</i> , <i>Eucalyptus camaldulensis</i> and <i>Thymus kotschynus</i> against German cockroach, <i>Blattella germanica</i> (Orthoptera: Blattellidae)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO268	Seasonal Occurrence of Pest and Efficacy of Insecticide Control in Schisandra Berry (<i>Schizandra chinensis</i> Baillon) in South of Korea.
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO269	Modeling spider mite resurgence at populations level
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO270	Sublethal effects of insecticides on <i>Trichopria drosophilae</i> , a pupal parasitoid of the invasive spotted wing drosophila
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO271	Do parasites modulate the outcome of neonicotinoid LD50 tests in bumblebees?
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO272	Study on the effects of water quality on Chlorpyrifus (EC 40.8%) and Imidacloprid (SC 35%) quality control index
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO273	Toxicity and sub-lethal effects of some pesticides on <i>Encarsia formosa</i>
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO274	The consumption of <i>Eupatorium buniifolium</i> essential oil does not affect survival or ethyl oleate production in honeybees
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO275	NOVALUROM INSECTICIDE CAUSES TOXIC EFFECTS IN SILKWORM <i>Bombyx mori</i> (LEPIDOPTERA: BOMBYCIDAE)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



36

SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO276	Automated Analysis and Sorting of Insects by Large Particle Flow Cytometry
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO277	Long chain fatty acid coenzyme A ligase (FACL) regulates triazophos-induced stimulation of reproduction in the small brown planthopper (SBPH), <i>Laodelphax striatellus</i> (Fallen)
SESSION 5 - Ecology and toxicology of insecticides	Insecticide toxicology and non target effects	PO278	The practical methods for reduction of insecticide residues on vegetables and fruits
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO279	Assessing the impact of agricultural strategies on soil Artropods: a case study using environmental DNA
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO280	Bumblebees do not expand their diet under reduced workforce, as revealed by pollen DNA barcoding.
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO281	Valorisation of chicken manure using insects: <i>Hermetia illucens</i> in the ValoriBio project
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO282	Organic versus conventional management in potato field: effects on carabid beetles community
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO283	Diet breadth modulates preference - performance relationships in a phytophagous insect community





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



37

SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO284	Influence of cover crops termination on the activity of beneficial groups of ground dwelling arthropods
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO285	POPULATION FLUCTUATIONS OF ERIOPHYID MITES AND THEIR PREDATORS ON TWO VARIETIES OF OLIVE, TURKEY
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO286	Regional scale survey on Cicadomorpha and Fulgoromorpha present in apple orchards in South Tyrol (Italy)
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO287	Comparing the effectiveness of organic farming and flower strips as agri-environment schemes to enhance the presence of pollinators
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO288	Combined effects of pollen viability and pollinator efficiency on seed set in red clover cultivars
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO289	Ecological diversity of arthropod fauna in a Natura 2000 forest reserve and natural landscape from Romania
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO290	Landscape change impacts on the diversity of pollinators in Uruguay
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO291	The impact of terrestrial oil pollution in Evrona Nature Reserve on arthropods associated with Acacia trees





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



38

SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO292	Sub-lethal effects of fungicide tebuconazole on the predatory ground beetle
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO293	Evaluation of parasitoid wasp communities in the vineyards of the Centre-Val de Loire region (France): is it influenced by landscape structure and/or agricultural practices?
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO294	Creation of a DNA barcode library for Arthropods in the Vineyards of the Centre - Val de Loire Region (France)
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO295	Flow of aquatic insects from streams to land in agricultural landscapes
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO296	Collembola species occurring in hazelnut orchards in Samsun Province, Turkey
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO297	Characterization of indigenous fig wasp pollinator populations, timing of adult emergence, and cleptoparasitism, found in <i>Ficus carica</i> in the North West region of Libya
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO298	Checklist of Turkish Tryphoninae Species (Hymenoptera: Ichneumonidae)
SESSION 6 - Ecology, Biodiversity and Conservation	Arthropod-mediated ecosystem services in agriculture	PO298a	Disentangling food webs involving henhouse-dwelling mite communities with a focus on the poultry red mites <i>Dermanyssus gallinae</i> as a prey: first insights from





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



			laboratory predation experiments.
SESSION 6 - Ecology, Biodiversity and Conservation	Conservation of saproxylic insects	PO299a	Saproxylic beetles in chestnut stands of southern Apennines (Calabria): effects of forest management on Coleoptera communities
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO300	Insect-flower interaction networks vary among endemic pollinator taxa over an elevation gradient
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO301	A Brief Evaluation on the Systematic and Ecology of the Water Beetles (Coleoptera: Hydrophilidae, Helophoridae) in Turkey
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO302	Share of arthropods in the diet of 3 carnivores the jackal <i>Canis aureus</i> , the genet <i>Genetta genetta</i> and the Mongoose <i>Herpestes ichneumon</i> in northern algeria: Comparative study
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO303	REPORT OF <i>PAEDERUS SPECIOSUS</i> IN IRAN
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO304	The impact of aspects of garden management on soil mesofauna biodiversity
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO305	One or two species? Molecular taxon delimitation of a Natura 2000 protected ground beetle





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



40

SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO306	IDENTIFYING THE OPTIMAL HOST PLANT FEATURES TO PRESERVE AN ENDANGERED INSULAR POPULATION OF ZERYNTHIA CASSANDRA
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO307	Unraveling the Gordian knot of conflicting habitat corridors: Semi-open habitats and their benefits for habitat connectivity
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO308	Monitoring and Conservation Programme of the red wood ant species <i>Formica pratensis</i> in Thrace Region of Turkey
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO309	Department of Agriculture, Forest and Food Sciences, University of Turin
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO310	Odonata community structure in artificial habitats
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO313	Community ecology of aquatic insects in water-filled tree holes in the tropical forests of The Western Ghats, India
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO314	Soil microarthropod communities in Barbera d'Asti and Barbera d'Alba vineyards
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO315	To which extent <i>Lymantria dispar</i> L. outbreaks affect soil microarthropods community: a case study in Elba island (Italy)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



41

SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO316	The community structure of beetles in two crops for biogas production
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO317	Metagenomic assembly from dung beetle intestinal content identifies mammalian fauna
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO318	Evidence for resistance to mating disruption technique in the pink bollworm a pest of cotton
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO319	Dragonfly trait databases: Where are we now?
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO320	Benthic macroinvertebrates as the bioindicators of fresh water pollution in River Dorr
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO321	Predation promotes diversification in mean and variance of antipredator traits
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO322	Thermal traits of true bugs, an insect taxon with high invasive potential
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO323	Regulation of nest and body temperature of <i>Polistes biglumis</i> and <i>Polistes gallicus</i> , two wasps from strongly different climates





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



42

SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO324	Soil biodiversity of microarthropods and macroarthropods (Coleoptera: Carabidae) in artificial black pine stands after selective silvicultural thinnings
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO325	The effect of the occurrence of <i>Ailanthus altissima</i> on ant communities: two years of sampling in a karst plateau
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO326	BIODIVERSITY OF BUTTERFLY AND THEIR HOST PLANTS IN PATTUNUANG RESORT, SOUTH SULAWESI INDONESIA
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO327	FOREST AMOUNT POSITIVELY AFFECTS SOCIAL WASP COMMUNITIES AT LOCAL AND LANDSCAPE LEVELS
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO328	Two decades of a dramatic change in the arthropod community of the Dead Sea region
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO329	An annotated list of insects, associated with Cupressaceae family in Bulgaria
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO330	Lepidoptera Tortricidae from Ethiopia
SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO331	Are moth communities more strongly shaped by habitat-scale or landscape-scale drivers?





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



43

SESSION 6 - Ecology, Biodiversity and Conservation	Insect species traits and their use in habitat management and conservation	PO332	High Altitude Papilionoidea (Lepidoptera) Of Tsaghkunyats mountain In Armenia
SESSION 8 - Insect Control Biotechnology	Use of RNA interference for insect control	PO371	Assessing the safety of dsRNA targeting <i>Leptinotarsa decemlineata</i> to the predator <i>Chrysoperla carnea</i>
SESSION 8 - Insect Control Biotechnology	Use of RNA interference for insect control	PO372	RNAi-mediated immune suppression of pest insects to enhance the impact of their natural antagonists
SESSION 8 - Insect Control Biotechnology	Use of RNA interference for insect control	PO373	Sensitive response of RNA interference in lepidopteran and dipteran cell lines
SESSION 8 - Insect Control Biotechnology	Use of RNA interference for insect control	PO374	Examination of the potential of virus-induced gene silencing and viral-like particles for environmentally safe insect pest control
SESSION 8 - Insect Control Biotechnology	Biopesticides, genetically modified organisms and maintenance of ecosystem services: can they be profitably integrated?	PO375	Potential of plant extracts as control tool for the South American tomato pinworm
SESSION 8 - Insect Control Biotechnology	Biopesticides, genetically modified organisms and maintenance of ecosystem services: can they be profitably integrated?	PO376	Cis-regulatory sequences searching for a Y-drive system in <i>An. gambiae</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



44

SESSION 8 - Insect Control Biotechnology	Biopesticides, genetically modified organisms and maintenance of ecosystem services: can they be profitably integrated?	PO377	CONSIDERATIONS FOR BIOSECURITY OF GENETICALLY MODIFIED INSECTS WITH RESPECT TO THE NIGERIAN BIOSAFETY LAW
SESSION 8 - Insect Control Biotechnology	Biopesticides, genetically modified organisms and maintenance of ecosystem services: can they be profitably integrated?	PO378	Cloning, molecular characterization and tissue expression of an octopamine/tyramine receptor from Spotted Wing Drosophila (<i>Drosophila suzukii</i>).
SESSION 13 - Physiology and Biochemistry	Insect development	PO483	Establishment of an Effective and Fast Assay to Distinguish Male and Female Embryos of <i>Bactrocera dorsalis</i>
SESSION 13 - Physiology and Biochemistry	Insect development	PO484	Early embryonic development in <i>Bemisia tabaci</i>
SESSION 13 - Physiology and Biochemistry	Insect development	PO485	ABA-induced changes on total and differential hemocyte counts of <i>Galleria mellonella</i> L. (Lepidoptera:Pyralidae)
SESSION 13 - Physiology and Biochemistry	Insect development	PO486	Influence of azadirachtin on pre- adult development of <i>Galleria mellonella</i> L. (Lepidoptera: Pyralidae)
SESSION 13 - Physiology and Biochemistry	Insect development	PO487	Preliminary bioassay on toxicity of <i>Bacillus thuringiensis</i> applied to <i>Galleria mellonella</i> L. (Lepidoptera: Pyralidae)
SESSION 13 - Physiology and Biochemistry	Insect development	PO488	Egg size and offspring performance of the pine-tree lappet <i>Dendrolimus pini</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



45

SESSION 13 - Physiology and Biochemistry	Insect development	PO489	Levels of Encapsulation and Melanization in Galleria mellonella (Lepidoptera: Pyralidae) Larvae Exposed to Titanium Dioxide Nanoparticles
SESSION 13 - Physiology and Biochemistry	Insect development	PO490	Apoptosis and Necrosis in Hemocytes of Galleria mellonella L. (Lepidoptera: Pyralidae) Due to Aluminium Toxicity
SESSION 13 - Physiology and Biochemistry	Insect development	PO491	Effects of Zinc Oxide Nanoparticles on Levels of Encapsulation and Melanization in Galleria mellonella (Lepidoptera: Pyralidae) Larvae
SESSION 13 - Physiology and Biochemistry	Insect development	PO492	Effects of Azadirachtin on Development of Galleria mellonella L. (Lepidoptera: Pyralidae)
SESSION 13 - Physiology and Biochemistry	Insect development	PO493	Changes in the Total Hemocyte Count of Galleria mellonella L. (Lepidoptera: Pyralidae) Larvae Caused by Cold Exposure
SESSION 13 - Physiology and Biochemistry	Insect development	PO494	Epigenetic modifications play key roles in juvenile hormone action
SESSION 13 - Physiology and Biochemistry	Insect development	PO495	Production and activity evaluation of Heliothis virescens recombinant prothoracicotropic hormone
SESSION 13 - Physiology and Biochemistry	Insect development	PO496	Energy budgets and metabolic changes during extended diapause in the spruce web-spinning sawfly Cephalcia abietis
SESSION 13 - Physiology and Biochemistry	Insect development	PO497	MORPHOLOGICAL ASPECTS OF THE SPERMATECA OF A PREDATORY LADYBIRD BEETLE
SESSION 13 - Physiology and Biochemistry	Insect development	PO498	Function analyses of ten small heat shock protein genes and transcriptome analysis of hsp18.3 using RNA-sequencing in Tribolium





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



46

			Castanuem
SESSION 13 - Physiology and Biochemistry	Sensory system	PO499	Antennal protein profile in honeybees: caste and task matter more than age.
SESSION 13 - Physiology and Biochemistry	Sensory system	PO500	Odorant Binding Proteins in the vetch aphid <i>Megoura viciae</i> (Hemiptera: Aphididae) display distinct expression patterns
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO501	Zebularine Induced Alterations in Antioxidant Enzyme Activity and Lipid Peroxidation in Model Host <i>Galleria mellonella</i>
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO502	A Soluble Pyrophosphatase Regulating Polyphosphate Metabolism in the Hard Tick <i>Rhipicephalus microplus</i> .
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO503	Small scale germ-free rearing of the silkworm on artificial diet
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO504	Sugar feeding reduces host-seeking behaviour in the mosquito <i>Aedes albopictus</i>
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO505	Characterization of eye colour mutant strains (yellow, white) of house cricket (<i>Acheta domesticus</i>).
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO506	Molecular mechanisms underlying acidification and alkalization along the larval midgut of <i>Musca domestica</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



47

SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO507	Toxicological Effects of Dimethoate on Some Biochemical Parameters of Galleria mellonella L. Larvae
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO508	Effects of thermal regimes on hemolymph K ⁺ and Na ⁺ concentrations and carbohydrate contents of last instar larvae of the Khapra beetle, <i>Trogoderma granarium</i> Everts
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO509	Effect of thermal regimes on survival and carbohydrate contents of 4th instar larvae of the Khapra beetle, <i>Trogoderma granarium</i> Everts
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO510	Metabolism of ants (<i>Formica pratensis</i>) in a variable environment, during activity and rest
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO511	Effect of thermal regimes on enzyme activity of 4th instar larvae of the Khapra beetle, <i>Trogoderma granarium</i> Everts
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO512	Heterogeneity in larval dietary environment and its effects on larval foraging behaviour and fitness-related traits in the polyphagous fruit fly <i>Bactrocera tryoni</i>
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO513	What does The Queen eat? - Determining the nutritional intake targets of <i>Bombus terrestris</i> and <i>Bombus pascuorum</i> queens.
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO514	Determination of CpG Dinucleotids and its Methylation Pattern on Different Stages of <i>Galleria mellonella</i> by Using Methylation- Sensitive Restriction Endonucleases





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



48

SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO515	Bacteriocyte reprogramming to maintain organismal homeostasis under nutritional stress in aphid symbiosis
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO516	The effect of starvation on <i>Lymantria dispar</i> physiology and on activation of nucleopolyhedrovirus from covert to overt infection
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO517	Influence of the high concentration of monosaccharides on development and physiology of house cricket (<i>Acheta domesticus</i>). House cricket as a model in diabetes research.
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO518	Effects of the main secondary metabolites of <i>Physalis</i> plants on a specialist and a generalist species of Lepidoptera
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO519	Sperm metabolism in insects - what do we know?
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO520	Modulators of E75 nuclear receptor activity affect the accumulation of triacylglycerol in larvae of the beetle <i>Tribolium castaneum</i>
SESSION 13 - Physiology and Biochemistry	Insect metabolism and nutrition	PO521	Isolation and characterization of alpha-(1→3)-glucan-degrading bacteria from the gut of <i>Diaperis boleti</i> feeding on <i>Laetiporus sulphureus</i>





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



49

THURSDAY 5 JULY 2018			
		PO243	IPM strategies for white fly insecticides in European greenhouse of tomato
		PO381	What do people want to know about insects and entomology?
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO333	Genetic diversity and phylogeny among vestalis luctuosa populations on Java island using rapd marker
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO334	Phylogenetic distribution of repetitive DNA sequences in parasitoid Hymenoptera
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO335	Haplotype Diversity of the black cherry aphid Myzus cerasi (Fabricus, 1775) (Hemiptera:Aphididae) based on the mitochondrial cytochrome oxidase I sequence
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO336	InsectBase: a resource for insect genomes and transcriptomes
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO337	microRNA evolution and the origin of Insecta
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO338	Tandem duplication of two tRNA genes in the mitochondrial genome of Tagiades vajuna (Lepidoptera: HesperIIDae)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



50

SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO339	Condition alters the degree of sex- biased gene expression
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO340	Orthology-based genome annotation and interpretation
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO341	Genomic insights on the biogeography of the Tiger Mosquito, <i>Aedes albopictus</i> , in Italy
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO343	Massive-scale data integration for the study of insect evolution
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO344	Anopheles genome assembly improvements guided by evolution.
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO345	Distribution of plant cell wall degrading enzymes in beetles of the family Cerambycidae
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO346	The whole genome DNA methylome and its regulatory functions in <i>Tribolium castaneum</i>
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO347	Gene duplications in the pea aphid genome: towards sub- or neo- functionalization?
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO348	A male-specific genome region containing the sex determination switch in <i>Aedes aegypti</i>
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO349	Evaluation of polymorphism in field populations of <i>Thrips tabaci</i> (Thysanoptera, Thripidae) of onion crops





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



51

SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO350	Exploring the function and dosage compensation of sex-chromosomes in the diamondback moth (<i>Plutella xylostella</i>) with long-read genome sequencing and RNA-seq
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO351	The Genome of endoparasitoid <i>Cotesia chilonis</i> (Hymenoptera: Braconidae)
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO352	The Genome of Wasp <i>Macrocentrus cingulum</i> Provides New Insights into Polyembryony and Immune Evasion
SESSION 7 - Genetics and evolutionary biology	Evolutionary Genomics	PO353	Affinities and Divergence of <i>Aedes</i> mosquitoes using bayesian relaxed clocks and complex models of evolution.
SESSION 7 - Genetics and evolutionary biology	Evolution and development of functional traits	PO354	Unveiling the molecular grounds of aggressive mimicry in the myrmecophilous aphid <i>Paracletus cimiciformis</i>
SESSION 7 - Genetics and evolutionary biology	Evolution and development of functional traits	PO355	Genetic dissection of reproductive success traits of the parasitoid <i>C. typhae</i>
SESSION 7 - Genetics and evolutionary biology	Evolution and development of functional traits	PO356	Locomotor activity associated to a point mutation of a moth foraging gene
SESSION 7 - Genetics and evolutionary biology	Evolution and development of functional traits	PO357	Redefining reproductive dormancy in <i>Drosophila</i> : a physiological and genetic study
SESSION 7 - Genetics and evolutionary biology	Evolution and development of functional traits	PO358	Butterflies in dire straits – ecological constraints and functional traits explain high genetic differentiation between Sicily and Italian Peninsula





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



52

SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO359	The adaptive value of male guarding in the life of a spider mite with first male precedence.
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO360	The distribution pattern of Wolbachia in insects
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO361	Phases of Population Cycle and mtDNA Pattern of <i>Lymtria dispar</i> (Linnaeus, 1758) in Western Siberia Populations.
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO362	Molecular Determinants of Host Choice in Spider-Wasps (Hymenoptera: Pompilidae)
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO363	Subcellular cadmium compartmentation in <i>Spodoptera exigua</i> larvae from control and cadmium strains
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO364	Evolution of holometabolous insects
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO365	Evidence for the presence of two genetic populations of the bush- cricket <i>Barbitistes vicetinus</i> (Galvagni & Fontana, 1993) (Orthoptera, Tettigoniidae) in the outbreak area
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO366	Soil hardness and soil texture of nesting substrate in solitary and social digger bees and wasps (Hymenoptera: Apoidea)
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO367	Research on mtDNA (COI) region of <i>Lobesia botrana</i> (Denis & Schiffermüller) (Lepidoptera: Tortricidae) in coastal and inland parts of Turkey





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



53

SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO368	Investigation of genetic diversity in mtDNA (COI-COII) region of <i>Ceratitis capitata</i> Wiedmann (Diptera: Tephritidae) in the Eastern Mediterranean Region of Turkey
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO369	Preliminary results of genetic diversity in a geographically broad sample of <i>Heliothrips haemorrhoidalis</i> populations
SESSION 7 - Genetics and evolutionary biology	Evolutionary Ecology	PO370	Diversity of internal genitalia functioning across a phylogenetic nested set of bushcricket species
SESSION 9 - Insects and Global Food Production	Feeding the world: how to control insect pests of crops without damaging the planet	PO379	The Elucidation of the Pheromone Profile of <i>Drosophila suzukii</i> with GC-MS
SESSION 9 - Insects and Global Food Production	Feeding the world: how to control insect pests of crops without damaging the planet	PO380	PHYTOHORMONES INDUCED ANTIXENOSIS IN SUSCEPTIBLE VARIETY OF OKRA (<i>ABELMOSCHUS ESCULENTUS</i> L.) AGAINST WHITEFLY (<i>BEMISIA TABACI</i>)
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO382	Entomophagy: Exploring the nutritional importance of insects in Africa
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO383	Reproductive performance of <i>Tenebrio molitor</i> fed on diet containing yeast
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO384	Comparison of the morphofunctional properties of the larval midgut of <i>Hermetia illucens</i> (Diptera: Stratiomyidae) reared on different diets
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO385	Replacement of <i>Hermetia illucens</i> larval midgut during metamorphosis





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



54

SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO386	Meal preparation, nutrient content, and microbiological analyses of <i>Hermetia illucens</i> reared on vegetal substrate
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO387	Evaluation of microbiological and chemical risk of <i>Tenebrio molitor</i> (Coleoptera: Tenebrionidae) larvae intended for human diet
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO388	Qualitative parameters of dried earthworms (<i>Lumbricina</i>) for human consumption
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO389	Using <i>Hermetia illucens</i> to bioconvert the waste from insect farming
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO390	Quality according to harvesting time and processing method of <i>Locusta migratoria</i>
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO391	Effect of spent mushroom substrate of <i>Pleurotus eryngii</i> on the development of white-spotted flower chafer (<i>Protaetia brevitarsis</i>)
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO392	Influence of different diets on growth and development of <i>Tenebrio molitor</i> (L.)
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO393	Bioassays for the optimization of <i>Hermetia illucens</i> (L.) egg laying in a prototype of industrial plant
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO394	Population density and oviposition site selection of Black Soldier Fly, <i>Hermetia illucens</i> (Diptera: Stratiomyidae) for efficient production
SESSION 9 - Insects and Global Food Production	Entomophagy: eating insects as a contribution to global food production	PO395	Use of the black soldier fly as a bioconversion tool at the industrial scale





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



55

SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO396	AEDES AEGYPTI INCREASE SURVIVAL RATES (DIPTERA: CULICIDAE) AS FUNCTION OF TEMPERATURE INCREASE
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO397	A checklist of scorpions in Iran (By 2017)
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO398	Opportunistic blood-feeding behaviour of UK Culicoides and implications for disease spread in zoo animals
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO399	Preliminary data from the monitoring of Aedes albopictus (Skuse, 1897) (Diptera: Culicidae) in Medio Campidano Province (Southern Sardinia), Italy
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO400	MOSQUITOES SPECIES COLLECTED FOLLOWING WEST NILE DISEASE HUMAN CASES IN SARDINIA (ITALY), 2017
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO401	Evaluation of essential oils activity on Aedes albopictus (Diptera, Culicidae)
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO402	Incidence and epidemiological profile of scorpion stings in northern Khuzestan Province, Southwestern Iran : A descriptive – analytical study
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO403	The Effect of electron beam on Culex pipiens and Aedes albopictus
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO404	CULICOIDES SPECIES (DIPTERA: CERATOPOGONIDAE) INVOLVED DURING BTV OUTBREAKS IN SARDINIA, 2017





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



56

SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO406	Trap design methodology for vector control
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO407	Documentation of biting midges from some selected areas of Pakistan
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO408	A longitudinal study of adult Culicoides activity inside and outside lambing sheds over the winter
SESSION 10 - Medical and veterinary entomology	Epidemiology and management of insect vectors	PO409	Performance of two sticky traps to monitor resting Aedes invasive species (Diptera; Culicidae) in Italy
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO410	Co-circulation of Leishmania infantum and phleboviruses from sandflies in the Bologna province, Italy
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO411	Entomological survey of potential malaria vectors in north-east Italy
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO412	Intraspecific Competition in Ae. aegypti and Ae. albopictus: Effects on the Proportion of Males and Females, Size and Locomotor Activity
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO413	Parity and gonothrophic discordance in Aedes aegypti and Aedes albopictus (Diptera: Culicidae) in the city of São Paulo, SP, Brazil
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO414	Characterization of a cysteine peptidase (DCatL1) from Diaphorina citri, a vector of the Huanglongbing disease





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



57

SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO415	Interaction Networks and Arboviruses: Blood-meal sources of mosquitoes collected in Coastal Ecosystems from San Bernardo del Viento (Córdoba, Colombia).
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO416	Blood Meal Sources of <i>Mansonia titillans</i> and <i>Psorophora ferox</i> collected from La Pintada (Antioquia, Colombia)
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO417	EFFECTS OF TEMPERATURE CHANGES ON THE LIFE CYCLE OF THREE MOSQUITO SPECIES
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO418	Variations in the abundance and acrodendrophilic behavior of <i>Anopheles (Kerteszia) cruzii</i> Dyar & Knab, 1908 (Diptera: Culicidae) in sites with different proportions of forest cover in the Atlantic Forest, Brazil.
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO419	Corpora allata-specific gene editing in mosquitoes: a green CA reveals interesting secrets
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO420	Spatial and temporal variations in the abundance of <i>Culex (Microculex) pleuristriatus</i> Lutz, 1903 and <i>Culex (Microculex) imitator</i> Theobald, 1903 in areas with variation in proportion of vegetation cover in the city of São Paulo, Brazil
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO421	WEST NILE VIRUS IN ROMANIA
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO422	Using Codon Usage Bias to Investigate the Role of alternative hosts in the Spread of Zika





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



58

SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO423	Changes in the cement aggregation- cone proteome during the feeding process of the adult tick <i>Hyalomma</i> <i>lusitanicum</i> Koch, 1844
SESSION 10 - Medical and veterinary entomology	Vector and pathogen biology	PO424	Morphological variation in the highland bont tick, <i>Amblyomma</i> <i>pomposum</i> Dönitz, 1909
SESSION 10 - Medical and veterinary entomology	<i>Dermanyssus gallinae</i> : an endless threat to the industry and human health	PO425	Effect of a-biotic factors on the virulence of indigenous <i>Metarhizium</i> spp. Strains and commercial product against the Poultry Red Mite and Northern Fowl Mite
SESSION 10 - Medical and veterinary entomology	<i>Dermanyssus gallinae</i> : an endless threat to the industry and human health	PO426	Acaricidal and repellent effects of <i>Cnidium officinale</i> -derived material against <i>Dermanyssus gallinae</i> (Acari: Dermanyssidae)
SESSION 10 - Medical and veterinary entomology	<i>Dermanyssus gallinae</i> : an endless threat to the industry and human health	PO427	Evaluation of Susceptibility of Red Poultry Mite, <i>Dermanyssus gallinae</i> (Acari: Dermanyssidae) in Five Regions to 11 Acaricides
SESSION 10 - Medical and veterinary entomology	<i>Dermanyssus gallinae</i> : an endless threat to the industry and human health	PO428	Monitoring acaricide resistance in <i>Varroa</i> and poultry red mite populations from Greece
SESSION 11 - Morphology, Systematics and Phylogeny	Imaging Methods For Scientific Progress in Entomology	PO429	Wing pattern variation in the Alcon blue butterfly in Scandinavia over the last 50 years
SESSION 11 - Morphology, Systematics and Phylogeny	Imaging Methods For Scientific Progress in Entomology	PO430	Hitherto undescribed cuticular pouches of RPW female genitalia, recent findings and interpretation attempts





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



59

SESSION 11 - Morphology, Systematics and Phylogeny	Imaging Methods For Scientific Progress in Entomology	PO431	Fluid dynamics and Xylella fastidiosa colonization of insect vectors
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO432	A pilosity analysis of workers of the European Red Wood Ant <i>Formica pratensis</i> (Hymenoptera: Formicidae) in Turkey
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO433	Contribution to the study of the fine structure of the egg in the genus <i>Pseudomallada</i> Tsukaguchi, 1995 (Neuroptera Chrysopidae)
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO434	The Galvagni collection (Orthoptera, Demaptera, Blattodea, Mantodea, Phasmatodea) at the Museo Civico di Rovereto.
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO436	A molecular analysis of Western Palearctic species of <i>Anastatus</i> with a revision of the catalonicus species group
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO437	First molecular phylogeny of the genus <i>Pnigalio</i> (Hymenoptera: Eulophidae) based on mitochondrial and ribosomal genes
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO437a	A tiny relative of insects: effects of miniaturisation in the anatomy of the minute springtail <i>Mesaphorura sylvatica</i> (Hexapoda; Collembola: Tulbergiidae)
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO438	Cryptic species or species poorly (or wrongly) studied? The case of <i>Geoica utricularia</i> (Passerini) (Hemiptera: Aphididae: Eriosomatinae: Fordini)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

60

SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO439	Systematics of two new genera of Tingidae (Hemiptera: Heteroptera) from the Cretaceous amber forests of Myanmar
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO440	Phylogenetic analysis and wing evolution of mosquitoes (Diptera: Culicidae)
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO441	Phylogenetic Status of <i>Apanteles</i> <i>galleriae</i> Wilkinson (Braconidae: Microgastrinae) Based on Cytochrome Oxidase-I
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO442	Integrative taxonomy of Polistine paper wasps reveal a rich biodiversity in Nigeria
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO443	Ancestral and derived horn patterns in Onthophagini dung beetles
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO444	The evolution of the epipharynx chewing system in carrier beetles
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO445	<i>Dirphys</i> (Hymenoptera: Aphelinidae) - gregarious endoparasitoids of whiteflies (Hemiptera: Aleyrodidae) in the Neotropics
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO446	Features associated with miniaturization in the wing apparatus of the family Ptiliidae (Coleoptera)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



61

SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO447	Phylogeny of Anthomyzidae (Diptera) with emphasis on Holarctic species in light of molecular dating
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO448	To be, or not to be (a sensillum): hammering structures in Pimplinae unveiled
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO449	Will the integrative approach bring light into the phylogenetic relationships of subfamily Limnophilinae (Limoniidae: Diptera)?
SESSION 11 - Morphology, Systematics and Phylogeny	Insect Morphology in the Age of Phylogenomics	PO450	The effect of miniaturization on the anatomy of <i>Corynoneura scutellata</i> (Diptera: Chironomidae), one of the smallest dipterans
SESSION 11 - Morphology, Systematics and Phylogeny	Evo-devo perspectives on insect morphology	PO451	Unusual “cephalic placenta” supports embryonic development in viviparous dermapteran, <i>Hemimerus talpoides</i>
SESSION 11 - Morphology, Systematics and Phylogeny	Evo-devo perspectives on insect morphology	PO452	Adaptations to viviparity in <i>Arixenia esau</i> (Hexapoda, Dermaptera): an excretory aspect
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO453	Barcoding efficiency on Chrysomelidae of Euro- Mediterranean area
SESSION 11 - Morphology, Systematics and	Systematics, Biogeography and Ecology of Leaf Beetles - Third	PO454	Is monophagy an evolutionary dead end? Evidence from Euro- Mediterranean Chrysomelidae





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



62

Phylogeny	European Symposium on the Chrysomelidae		
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO455	Morphological and molecular characterization of <i>Lema bilineata</i> , a new invasive species for Europe
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO456	Phylogeography of <i>Trichosirocalus horridus</i> (Panzer, 1801) (Coleoptera: Curculionidae, Ceutorhynchinae) in south-western Europe
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO457	Phylogenetic Status of <i>Pimpla turionella</i> L. (Hymenoptera: Ichneumoninae) Based on Cytochrome Oxidase I
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO458	Genetic variation in the invasive potato beetle populations in Turkey based on nuclear (AChE2 gene) and mitochondrial DNA (cytochrome oxidase I and II subunits) markers
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO459	Thrips of cultivated Solanaceae in Biskra region (Algeria)
SESSION 11 - Morphology, Systematics and Phylogeny	Systematics, Biogeography and Ecology of Leaf Beetles - Third European Symposium on the Chrysomelidae	PO460	How tight are beetle hugs?





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



63

SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO462	Characterization of two novel lectins in the innate immunity from <i>Tribolium castaneum</i>
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO463	Transcriptomic analysis of a novel viral symbiont reveals differential expression during virus replication in parasitoid wasps and fly hosts
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO464	Immune and epigenetic aspects of wax moth <i>Galleria mellonella</i> resistance to <i>Bacillus thuringiensis</i> during experimental evolution
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO465	The role of midgut IMPI and Gloverin in the resistance of wax moth <i>Galleria mellonella</i> to <i>Bacillus thuringiensis</i>
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO466	Maternal transfer of immunity according to age and reproductive effort in an insect
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO467	edl/mae, a major gene for <i>Drosophila melanogaster</i> immune resistance to the parasitoid wasp <i>Leptopilina boulardi</i>
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO468	A constitutively expressed antifungal peptide protects <i>Tenebrio molitor</i> during a natural infection by the entomopathogenic fungus <i>Beauveria bassiana</i> .
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO469	Entomopathogenic bacteria struggle to overcome insect immune defences. The case of <i>Brevibacillus laterosporus</i>
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO470	Generation and analysis of a comprehensive <i>Toxoneuron nigriceps</i> teratocyte transcriptome
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO471	Mutual protection of endoparasitoids by symbiotic bracoviruses





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy

64

SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO472	Linking genetic variation in disease resistance and tolerance with heterogeneity in disease spread
SESSION 12 - Parasitology, Pathology and Immunity	Immune defences and virulence strategies	PO473	Innate Parasitoid Resistance in the Potato Aphid, <i>Macrosiphum euphorbiae</i>
SESSION 12 - Parasitology, Pathology and Immunity	Insect gut immunity and microbiome	PO474	Antibacterial activity of bacteria isolated from the gastrointestinal tract of <i>Melolontha</i> spp. larvae
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO475	Nutritional effects on host defence induced by <i>Serratia marcescens</i> in <i>Batrocera tryoni</i>
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO476	Biological role of PLL and PHL – lectins produced by entomopathogenic bacteria <i>Photorhabdus luminescens</i> and <i>Photorhabdus asymbiotica</i>
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO478	Horizontal transmission of a microsporidium is enhanced by rain
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO479	The expression of <i>Toxoneuron nigriceps</i> bracovirus (TnBV) genes induces the inhibition of TOR pathway gene transcription in <i>Heliothis virescens</i> prothoracic glands
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO480	<i>Aphidius ervi</i> teratocytes release Enolase (Ae-ENO) and Fatty Acid Binding Protein (Ae-FABP) by exosomal vesicles
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO481	Functional analyses of a γ -glutamyl transpeptidase component of the venom of the parasitoid wasp <i>Aphidius ervi</i> by heterologous





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



65

			expression in <i>Drosophila melanogaster</i>
SESSION 12 - Parasitology, Pathology and Immunity	Host regulation by parasites and pathogens	PO482	Galleria mellonella as a model host for Microsporidia
SESSION 14 - Social Insects and Apidology	Social Immunity	PO525a	A multifactorial approach of stress factors influencing bee health
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO526	Rearing wild bumblebee colonies in the lab: catching and management techniques for wild-caught <i>Bombus terrestris</i> queens
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO527	Honey bee-collected pollen used to rear bumblebees is a source of pathogens and can cause <i>Ascosphaera apis</i> infection in bumblebee larvae
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO528	Multi-dimensional modelling tools for the assessment of honey bee colony health, productivity and pollination services
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO529	Botanical gardens as important refuges for pollinators to face habitat loss
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO530	Inhibition of <i>Paenibacillus</i> larvae by foodborne and resident lactic acid bacteria
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO531	Observations on pollinating insects in different ecosystems (Sardinia, Italy)





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



66

SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO532	The status of honey bee health in Italy: results from the nationwide monitoring network
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO533	HARMONIC RADAR TRACKS VESPA VELUTINA FLIGHT TO NESTS
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO534	STUDIES ON THE USE OF HONEYBEES (<i>Apis mellifera</i> L.) AS BIOINDICATORS OF SOME ENVIRONMENTAL CONTAMINANTS
SESSION 14 - Social Insects and Apidology	Bees: management, ecosystem services, and products	PO535	Biological invasion of the dwarf honey bees, <i>Apis florea</i> into N Africa
SESSION 14 - Social Insects and Apidology	Symbiosis in social insects - behavioural and ecological interactions	PO536a	When predator odor makes groups stronger: effects on behavioral and chemical adaptations in two termite species
SESSION 14 - Social Insects and Apidology	Symbiosis in social insects - behavioural and ecological interactions	PO536b	Molecular analysis of the extent of the <i>Paracletus cimiciformis</i> - <i>Tetramorium</i> interaction.
SESSION 14 - Social Insects and Apidology	Symbiosis in social insects - behavioural and ecological interactions	PO536c	Feeding strategies and intraspecific competition in <i>Vespula germanica</i> in an apiary context
SESSION 14 - Social Insects and Apidology	Symbiosis in social insects - behavioural and ecological interactions	PO536d	A preliminary study of new technology for beehives monitoring
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO537	Fungi for control of stored products insect pests





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



67

SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO538	REPELLENT ACTIVITY OF THREE HUMULUS LUPULUS (L.) ESSENTIAL OIL TERPENES AGAINST SITOPHILUS GRANARIUS (L.)
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO539	Sweet orange essential oil nanoformulation applied as cold aerosol against Tribolium confusum and Cryptolestes ferrugineus
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO540	Preliminary observations on the susceptibility of pseudo-cereals and other new grains for the European market to the attack of stored product insects
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO541	Host Preference and effect of different temp & relative humidity on weight loss and percent infestation in different stored grains by Callosobruchus maculatus
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO542	Competition between Anisopteromalus calandrae (Howard) and Theocolax elegans (Westwood) (Hymenoptera: Pteromalidae), larval parasitoids of three host species of stored-product insect pests
SESSION 15 - Urban entomology and stored product protection	Integrated Pest Management in Stored Product Protection	PO543	Identification and quantification of phytoecdysteroids and clerodanes from Ajuga plants: potential activity against the pest Spodoptera littoralis
SESSION 15 - Urban entomology and stored	Urban and Public Health Pests	PO544	COMPLEX OF ARTHROPOD SPECIES THAT DWELL IN HOSPITALS AND THEIR CONTROL





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



68

product protection			
SESSION 15 - Urban entomology and stored product protection	Urban and Public Health Pests	PO545	A novel combination of VOCs and flower-shaped trap for the capture of house fly in domestic environments
SESSION 15 - Urban entomology and stored product protection	Urban and Public Health Pests	PO546	An easy to apply statistical model to predict the dynamics of <i>Aedes albopictus</i> and to optimize the interventions of disinfestation in public areas in Genoa
SESSION 15 - Urban entomology and stored product protection	Artifact Pests	PO547	Identification, fight and prevention of wood, paper and cloth pests in archaeological and historical artifacts
SESSION 15 - Urban entomology and stored product protection	Molecular and cellular interactions between insect vectors and the pathogens they transmit	PO548	Thioester-containing proteins in the tsetse fly (<i>Glossina</i>) and their response to trypanosome infection.
SESSION 15 - Urban entomology and stored product protection	Molecular and cellular interactions between insect vectors and the pathogens they transmit	PO549	Primary cell cultures of immunocytes: a new tool for the in vitro study of insect-microbe interactions
SESSION 15 - Urban entomology and stored product	Ecology/epidemiology /evolution of the three-way interaction insect vector-pathogen-host	PO550	Acquisition and inoculation of FD phytoplasma by adults of <i>Scaphoideus titanus</i> Ball: less time is required





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



69

protection			
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO551	First assessment of transmission risk of arboviruses in Morocco
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO552	Potential Auchenorrhyncha vectors of <i>Xylella fastidiosa</i> in Crete (Greece): Survey, identification, seasonal abundance and vector management tactics
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO553	Spatial distribution of phloem- feeding species in a vineyard with high incidence of Bois Noir
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO554	The role of transovarial transmission in the multitrophic interaction between <i>Candidatus</i> <i>Phytoplasma mali</i> , its insect vector <i>Cacopsylla picta</i> and the host plant <i>Malus × domestica</i> .
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO555	Determining the impact of insect innate immunity on viral diversity and evolution.
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO556	Is host selection of Mediterranean pines by <i>Monochamus</i> <i>galloprovincialis</i> (Coleoptera; Cerambycidae) related with Pine Wilt Disease incidence?





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



70

SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO557	Acquisition and transmission of 'Candidatus Phytoplasma mali' by Apple proliferation insect vectors
SESSION 15 - Urban entomology and stored product protection	Ecology/epidemiology /evolution of the three-way interaction insect vector- pathogen-host	PO558	Genetic diversity and competition of Flavescence dorée phytoplasma populations between insect vectors and plants
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO559	Genome reduction in the mosquito symbiont Asaia
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO560	Effects of lab procedures on the transfer of B. oleae endosymbiont, Candidatus Erwinia dacicola
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO561	Differential gene expression in Wolbachia infected and non- infected Drosophila paulistorum
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO562	Diet and developmental stage shape the bacterial community diversity in the waste reducing insect Hermetia illucens (L.)
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO563	Evidence of facultative endosymbiont-mediated protection against parasitoids in Bemisia tabaci MED species and parasitoid counterstrategies for coping with





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



71

protection			host protection
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO564	Spatio-temporal changes in the gut microbiota of <i>Popillia japonica</i>
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO565	Rampant host-switching shaped the termite gut microbiome
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO566	Molecular characterization of aphid bacteriocyte cell death by RNAseq analysis
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO567	<i>Euscelidius variegatus</i> iflavivirus 1: insect-to-insect transmission
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO568	Commensal microbiota modulates larval foraging behaviour and developmental traits in <i>Bactrocera</i> <i>tryoni</i>
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO569	Symbiont-mediated chemical defense in ladybirds?





XI European Congress of Entomology

2nd - 6th July 2018 • Napoli, Italy



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



72

SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO570	Potential influence of the microbial community of <i>Cacopsylla melanoneura</i> (Hemiptera: Psyllidae) in <i>Phytoplasma</i> transmission
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO571	A novel cell death process eliminates both bacteriocytes and their symbionts in the pea aphid/ <i>Buchnera</i> symbiotic system
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO572	Host-microbe interactions between the tsetse innate immune system and the secondary symbiont <i>Sodalis glossinidius</i> .
SESSION 15 - Urban entomology and stored product protection	Impact of symbionts on insect biology	PO573	Notes on <i>Cladosporium</i> species associated with <i>Asphondylia</i> galls on species of Lamiaceae in Poland and in Italy

