



XV INTERNATIONAL CONGRESS OF ACAROLOGY

2-8 September 2018, Antalya - TURKEY



The Acari

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Scientific Programme

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Konya Organize Sanayi Bölgesi, Konya, Türkiye

1st DAY – 3 September 2018 (MONDAY)

10:00-10:45	Opening ceremony Sebahat K. Ozman-Sullivan – President, XV ICA 2018 Ferit Turanlı – President, Entomological Society of Turkey Peter Schausberger –Secretary, Executive Committee, ICA: Remembrance of lost colleagues Zhi-Qiang Zhang – President, Systematic and Applied Acarology Society: James Allen McMurtry Awards		
10:45-11:00	Coffee break		
11:00-11:40	Keynote speaker / Fatih Sultan Mehmet Maria NAVAJAS Mites in a changing world		
11:40-11:50	Presentations to sponsors		
11:50-12:30	Keynote speaker / Fatih Sultan Mehmet Kosta Y. MUMCUOGLU The influence of global warming on tick vectors		
12:30-14:00	Lunch		
	Section 1. SYMPOSIUM: Parasitic and free living mites of medical and veterinary importance Section 1. 1. Mites of medical importance	Section 1. Ecology and behavior of mites	Section 1. Taxonomy and systematics
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Kosta Y. MUMCUOGLU Aysegül TAYLAN-OZKAN	Norman FASHING Rostislav ZEMEK	Tetsuo GOTOH Qing-Hai FAN
14.00-14.15	Humidity perception in four astigmatid mite species <u>Elena GAGNARLI</u> , Franca TARCHI, Neri ORSI BATTAGLINI, Donatella GOGGIOLI, Silvia GUIDI, Laura SALVINI, Cristina TINTI, Sauro SIMONI	Different strokes for different folks: Strategies evolved by two related species in adapting to a similar habitat Norman J. FASHING	Mites of the family Parasitidae Oudemans, 1901 (Acari: Mesostigmata) from Japan: a new species of <i>Vulgarogamasus</i> Tichomirov, 1969, and a key to species <u>Mohamed W. NEGM</u> , Tetsuo GOTOH
14.15-14.30	Bibliometric analysis of publications on house dust mites Emre DEMIR, Djursun KARASARTOVA, <u>Ayşe</u> <u>SEMRA GÜRESEER</u> , Kosta Y. MUMCUOĞLU, Ayşegül TAYLAN-ÖZKAN	Intra- and transgenerational effects in generalist and specialist predatory mites induced by prey limitation <u>Andreas WALZER</u> , Peter SCHAUSBERGER	Spider mites of the Balkan Peninsula: a review, new records and recent outbreaks <u>Ivana MARIĆ</u> , Stanislav TRDAN, Tanja BOHINC, Snježana HRNČIĆ, Sanja RADONJIĆ, Dejan MARČIĆ
14.30-14.45	Skin prick test reactivity to aeroallergens in pulmonary medicine and dermatology clinics in Çorum Province: a 2-year retrospective study <u>Sertaç ARSLAN</u> , Engin ŞENEL, Aynure ÖZTEKİN, Meral GÜLHAN, Nezahat KOŞAR- ACAR, Ayşegül TAYLAN- ÖZKAN	Diapause termination factors of <i>Tetranychus</i> spider mites (Acari: Tetranychidae) Sergei Y. POPOV	Raphignathoidea (Acari: Trombidiformes) of Turkey: a review of progress on the systematics, with an updated checklist Salih DOĞAN

1st DAY – 3 September 2018 (MONDAY)

	<p>Section 1. SYMPOSIUM: Parasitic and free living mites of medical and veterinary importance Section 1. 1. Mites of medical importance</p>	<p>Section 1. Ecology and behavior of mites</p>	<p>Section 1. Taxonomy and systematics</p>
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
14.45-15.00	<p>A pandemic of pilosebaceous demodecid mites (Acari: Demodecidae) Ting-huan WEN</p>	<p>Costs and benefits of mating with fertilized females in a species with first male sperm precedence <u>Leonor R. RODRIGUES</u>, Alexandre R.T. FIGUEIREDO, Thomas Van LEEUWEN, Isabelle OLIVIERI, Sara MAGALHÃES</p>	<p>Phytoseiidae (Acari: Mesostigmata) of the Indian Ocean: biodiversity and new potential for development of biological control in this area <u>Serge KREITER</u>, Rose-My PAYET, Olivier FONTAINE, Jacques FILLÂTRE, Hamza Abdou AZALI, Fabrice Le BELLEC</p>
15.00-15.15	<p>Demodex infestation and cellular immunity Umut GAZI, Ayse Semra GÜRESER, Aynure ÖZTEKIN, Djursun KARASARTOVA, Nezahat KOSAR-ACAR, Kursat DERICI, Ferda ARTUZ, Kosta Y. MUMCUOGLU, <u>Aysegül TAYLAN-OZKAN</u></p>	<p>A parental RNAi-based reverse genetics system for analyzing embryonic development of <i>Tetranychus urticae</i> <u>Shun SHIBAYA</u>, <u>Takeshi SUZUKI</u></p>	<p>Trombidoid mites (Acari: Prostigmata) and their habitat preferences in Dumanlı Forest in Erzincan Province, Turkey Rukiye YILDIRIM, <u>Sevgi SEVSAY</u></p>
15.15-15.30	<p>Characteristics of patients with scabies in Corum Province of Turkey: a five- year retrospective analysis Aynure ÖZTEKIN, <u>Ayşe Semra GÜRESER</u>, Coşkun ÖZTEKIN, Djursun KARASARTOVA, Engin ŞENEL, Aysegül TAYLAN-ÖZKAN</p>	<p>Temperature effects on the developmental time and body size of the invasive mite <i>Aceria tosicHELLA</i> (Eriophyoidea) <u>Kamila KARPICKA- IGNATOWSKA</u>, Alicja LASKA, Lechosław KUCZYŃSKI, Anna RADWAŃSKA, Anna SKORACKA</p>	<p>Phytophagous mites (Acari: Eriophyoidea) of two northern districts of West Bengal, India Sanjay SARKAR</p>
15.30-15.45		<p>Host-parasite associations between arthropods and Trombidioidea (Actinotrichida, Prostigmata), excluding Trombiculidae <u>Magdalena FELSKA</u>, Andreas WOHLTMANN, Joanna MAKOL</p>	<p>Research progress on the taxonomy of Phytoseiidae (Acari: Mesostigmata) in China <u>Xiao-Duan FANG</u>, Gecheng OUYANG, Wei-Nan WU</p>
15.45-16.00	Coffee break		

1st DAY – 3 September 2018 (MONDAY)

	Section 1.2. Mites of veterinary importance	Section 2. Evolution and phylogeny	Section 2. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Ewan M. CAMPBELL Mustafa ACICI	Enrico de LILLO Xiao-Yue HONG	Serge KREITER Markus KNAPP
16.00-16.15	Why chiggers (Actinotrichida: Parasitengona) share a host? Cases of co-parasitism from temperate climate zone <u>Hanna MONIUSZKO</u> , Magdalena FELSKA, Joanna MAKOL	First molecular phylogenetic and implications for the taxonomy of the family Phytoseiidae (Acari: Mesostigmata) <u>Marie-Stéphane TIXIER</u> , Victor DOS SANTOS	Laboratory evaluation of entomopathogenic fungi against the bulb mite, <i>Rhizoglyphus robini</i> (Acari: Acaridae) <u>Jana KONOPICKÁ</u> , Rostislav ZEMEK, Andrea BOHATA, Jiří NERMUT, Zdeněk MRÁČEK, Eric PALEVSKY, Vladislav ČURN
16.15-16.30	Rapid increase in the incidence of sand-mite fever or chigger-borne rickettsiosis (Acari: Trombiculoidea) Ting-huan WEN	Molecular phylogeny of Phytoptidae s.str. inferred from the partial sequences of three genes <u>Philipp E. CHETVERIKOV</u> , Tatjana CVRKOVIĆ, Biljana VIDOVIĆ, Pavel B. KLIMOV, Samuel BOLTON, James W. Jr. AMRINE and Radmila U. PETANOVIĆ	Two potential targets for RNAi-based pest mite management <u>Yiying ZHAO</u> , Qian ZHAO, Kaiyang LIU, Feng LIU
16.30-16.45	A survey of chigger mites (Acari: Trombiculidae) from wild rodents and soricomorphs in Turkey <u>Mustafa ACICI</u> , Ali T. GURLER, Cenk S. BOLUKBAS, Sinasi UMUR, Sadik DEMIRTAS	A jump from five to five thousand species: New morphological evidence from the mouthparts strengthens support for the paraphyly of Nematolycidae (Acariformes) with respect to Eriophyoidea (Acariformes) <u>Samuel J. BOLTON</u> , Philipp E. CHETVERIKOV, Gary R. BAUCHAN	Pollen provisioning following flonicamid application has a positive impact on <i>Amblydromalus limonicus</i> Konstantinos SAMARAS, Maria L. PAPPAS, Vassileios MORAITIS, Apostolos SIGOUNAS, Alberto POZZEBON, <u>George D. BROUFAS</u>
16.45-17.00	Varroa mite saliva contains bioactive factors that aid mite feeding and manipulate the honeybee immune response facilitating viral pathogen proliferation <u>Ewan M. CAMPBELL</u> , Alan S. BOWMAN	Genetic divergence predicts reproductive isolation in a social spider mite <u>Yukie SATO</u> , Hironori SAKAMOTO, Tetsuo GOTOH, Yutaka SAITO, Jung-Tai CHAO, Martijn EGAS, Atsushi MOCHIZUKI	Cannibalism and intraguild interactions between an exotic predator, <i>Amblyseius swirskii</i> , and three other phytoseiids occurring in papaya orchards in southern Florida <u>Ismail DÖKER</u> , Cengiz KAZAK, Daniel CARRILLO

1st DAY – 3 September 2018 (MONDAY)

	Section 1.2. Mites of veterinary importance	Section 2. Evolution and phylogeny	Section 2. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
17.00-17.15	Establishment of a novel <i>in vitro</i> feeding system for the honeybee mite, <i>Varroa destructor</i> Craig R. CHRISTIE, Giles E. BUDGE, Ewan M. CAMPBELL, Alan S. BOWMAN		Selection of strains of <i>Amblyseius tamatavensis</i> (Acari: Phytoseiidae) for improved potential to control <i>Bemisia tabaci</i> Marcela MASSARO, Antônio A. D. COELHO, Gilberto J. de MORAES
17.15-17.30	Observation on the life stages of the wool carder bee mite, <i>Sennertionyx manikati</i> (Acari: Acaridae) Qing-Hai FAN, Dongmei LI, Sherly GEORGE		
19.00-20.00	Welcome reception		

2nd DAY – 4 September 2018 (TUESDAY)

09:00-09:30	Keynote speaker / Fatih Sultan Mehmet Peter SCHAUSBERGER Behavioral plasticity of plant-inhabiting predatory mites shaped by early life experiences		
	Section 1. Agricultural Acarology	Section 1. SYMPOSIUM: Invasive species and biosecurity: understanding and preventing mite invasions Section 1.1. Understanding and preventing mite bioinvasions	Section 1. SYMPOSIUM: Mite-plant interactions: from responses to tolerance/resistance Section 1.1. Mite-plant interactions
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Peter SCHAUSBERGER Nabi Alper KUMRAL	Maria NAVAJAS Denise NAVIA	Maria PAPPAS Raul A. SPEROTTO, Merijn KANT
09.45-10.00	Displacement of a phytoseiid predator, <i>Neoseiulus womersleyi</i> , by another phytoseiid predator, <i>N. californicus</i> (Acari: Phytoseiidae) Tetsuo GOTOH, Mohammad Shaef ULLAH, Masumi HANAWA, Shuichi YANO	Plenary Lecture Phytophagous mite bioinvasions in South America – What are we learning from that? Denise NAVIA	First steps in the plant responses to spider mite infestation M. Estrella SANTAMARIA, Ana ARNAIZ, Irene ROSA-DIAZ, Manuel MARTINEZ, <u>Isabel DIAZ</u>
10.00-10.15	<i>Colomerus vitis</i> (Acari: Trombidiformes: Eriophyoidea): comparison of some morphometric, biomolecular and biological aspects of the deutogyne and protogyne forms Domenico VALENZANO, Maria Teresa TUMMINELLO, Enrico DE LILLO		

2nd DAY – 4 September 2018 (TUESDAY)

10.15-10.30	<p>Role of <i>Colomerus vitis</i> (Pagenstecher) in the epidemiology of grapevine leaf mottling and deformation in north-eastern Italy</p> <p><u>Domenico VALENZANO</u>, Lucio SIMONETTI, Enrico DE LILLO, Pasquale SALDARELLI, Raed Abou KUBAA, Valeria MALAGNINI, Valeria GUALANDRI</p>	<p>Plenary Lecture</p> <p>Why are <i>Brevipalpus</i> and <i>Raoiella</i> successful invaders?</p> <p>Jose Carlos VERLE RODRIGUES</p>	<p>The SHOT family of the spider mite <i>Tetranychus urticae</i>: salivary protein genes showing fast transcriptional plasticity</p> <p><u>Wannes DERMAUW</u>, Wim JONCKHEERE, Mousaalreza KHALIGHI, Luc TIRRY, Merijn KANT, Bartel VANHOLME, Thomas VAN LEEUWEN</p>
10.30-10.45	<p>Mite diversity and the population dynamics of phytophagous mites and their predators in olive orchards in Aegean Region of Turkey</p> <p><u>Firdevs ERSIN</u>, Ibrahim CAKMAK, Evsel DENIZHAN INANC, Serkan KAPTAN, Halil KOKTURK, Bülent GUMUSAY, Latife ERTEN</p>		<p>Suppression of plant defences by herbivorous mites is not associated with adaptation to host plants</p> <p><u>Jéssica T. PAULO</u>, Diogo P. GODINHO, Anabela SILVA, Cristina BRANQUINHO, Sara MAGALHÃES</p>
10.45-11.00	Coffee break		
	Section 2. Agricultural Acarology	Section 1.2. Understanding and preventing mite bioinvasions	Section 1.2. Mite-plant interactions
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Alireza SABOORI Sultan COBANOGLU	Maria NAVAJAS Denise NAVIA	Maria PAPPAS, Raul A. SPEROTTO, Merijn KANT
11.00-11.15	<p><i>Phytoseiulus persimilis</i>: a new member of the acarofauna in Costa Rica?</p> <p><u>Hugo AGUILAR</u>, Ana María SOLANO</p>	<p><i>Raoiella indica</i>, arrival and establishment in Mexico</p> <p>Edith G. ESTRADA-VENEGAS</p>	<p>Versatility of plant-mite interactions</p> <p><u>Vojislava GRBIC</u>, Cristina RIOJA, Vladimir ZHUROV, Kristie BRUINSMA, Nicolas BENSOUSSAN, Miodrag GRBIC</p>
11.15-11.30	<p>Studies on the damage potential of the vegetable spider mite, <i>T. neocaledonicus</i>, on cassava</p> <p><u>Thalakkattil Raghavan SOBHA</u>, Mohamed Abdul HAQ, Othu Pally UMMKULSOOM</p>		

2nd DAY – 4 September 2018 (TUESDAY)

11.30-11.45	Potential of xylophagous oribatid mites in biodegradation and nutrient release Mohamed Abdul HAQ	Adventive and/or invasive phytophagous mites in Serbia: an overview and recent data <u>Radmila U. PETANOVIĆ</u> , Dejan MARČIĆ, Biljana VIDOVIĆ, Ivana MARIĆ	Local awareness of emergency: spatiotemporal dynamics of spider-mite herbivory on cucumber Federico MARTINEZ-SEIDEL, Xi ZHANG, Harro J. BOUWMEESTER, Robert D. HALL, <u>Iris F. KAPPERS</u>
11.45-12.00	Feeding impact of <i>Cisaberoptes kenyae</i> Keifer (Acari: Eriophyidae) on the photosynthetic efficiency and biochemical parameters of <i>Mangifera indica</i> L. Ramani NIRAVATH	The spider mite, <i>Tetranychus truncatus</i> , spreads fast in mainland China Peng-Yu JIN, <u>Xiao-Yue HONG</u>	<i>Fusarium solani</i> strain K alters tomato responses against spider mites to the benefit of the plant <u>Maria L. PAPPAS</u> , Maria LIAPOURA, Dimitra PAPANTONIOU, Marianna AVRAMIDOU, Nektarios KAVROULAKIS, Alexander WEINHOLD, George D. BROUFAS, Kalliope K. PAPADOPOULOU
12.00-12.15	Oribatid mites (Acari: Cryptostigmata) from garlic (<i>Allium sativum</i> L.) cultivation areas in Kastamonu, Turkey <u>Cihan CILBIRCIOĞLU</u> , <u>Sultan ÇOBANOĞLU</u>	<i>Tetranychus okinawanus</i> Ehara (Prostigmata: Tetranychidae) emerging as a potential invasive pest in Kerala, India Arunima VADATHALA, <u>Haseena BHASKAR</u> , Abida P. SALIM, Shylaja M. RAMAN	Effect of metal-accumulation on the performance of plants and herbivorous mites that cope differently with organic plant defences <u>Diogo P. GODINHO</u> , Helena SERRANO, Anabela SILVA, Cristina BRANQUINHO, Sara MAGALHÃES
12.15-12.30	Seasonal distribution and damage potential of <i>Raoiella indica</i> (Hirst) (Acari: Tenuipalpidae) on plantation crops of Kerala P. PRABHEENA, Ramani NIRAVATH	Population dynamics of the coconut mite, <i>Aceria guerreronis</i> Keifer, in Kerala, India Thalakkattil Raghavan SOBHA, <u>Mohamed Abdul HAQ</u>	Response of caraway, <i>Carum carvi</i> L., to <i>Aceria carvi</i> Nal. (Acari: Eriophyidae) infestation: is phytoplasma involved? <u>Rostislav ZEMEK</u> , Jiří PETERKA, Jana FRÁNOVÁ
12.30-14.00	Lunch		
14.00-14.30	Keynote speaker / Fatih Sultan Mehmet James W. AMRINE, Jr. Project for a world-wide interactive eriophyoid database		

2nd DAY – 4 September 2018 (TUESDAY)

	Section 3. SYMPOSIUM: Tick and tick-borne diseases Section 3.1. Ticks and tick-borne diseases in Turkey	Section 1.3. Understanding and preventing mite bioinvasions	Section 1.3. Mite-plant interactions
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Aysegul TAYLAN-OZKAN Ali Kemal ERENLER	Maria NAVAJAS Denise NAVIA	Maria PAPPAS, Raul A. SPEROTTO, Merijn KANT
14.45-15.00	(14.45-15.05) Plenary Lecture Crimean Congo hemorrhagic fever Derya YAPAR	International trade, biosecurity, agriculture and mites: a South African perspective	Response of <i>Medicago truncatula</i> plants to drought and spider mite attack Chrystalla ANTONIOU, Ioanna FRAGKOUDI, Angeliki MARTINOY, <u>Menelaos C. STAVRINIDES</u> , Vassilis FOTOPOULOS
15.00-15.15	(15.05-15.25) Plenary Lecture Tick-borne pathogens other than CCHF found in Turkey Ayşe Semra GÜRESER	<u>Davina L. SACCAGGI</u> , Isabel J. COLLETT, Nompumelelo P. NGUBANE-NDHLOVU	Induced tomato plant resistance against <i>Tetranychus urticae</i> triggered by the phytophagy of <i>Nesidiocoris tenuis</i> Meritxell PÉREZ-HEDO, Angela M. ARIAS-SANGUINO, <u>Sarra BOUAGGA</u> , Alberto URBANEJA
15.15-15.30	(15.25-15.45) Plenary Lecture Characteristics of patients admitted to the emergency department of Hitit University Hospital in Çorum, Turkey due to tick bite	Of mites and islands: Preventing invasions with minimum resources	Reducing tomato leaf hairs promotes herbivory yet also improves biological control such that the plant ultimately is better protected <u>Saioa LEGARREA</u> , Joris J. GLAS, Yvonne M. VAN HOUTEN, Merijn R. KANT
15.30-15.45	Ali Kemal ERENLER	<u>Menelaos C. STAVRINIDES</u>	Two phytophagous and two predatory mites on tomatoes: changes in behavior? <u>Sauro SIMONI</u> , Mabrouk BOUNEB, Elena GAGNARLI, Franca TARCHI, Donatella GOGGIOLI, Silvia GUIDI
15.45-16.00	Coffee break		

2nd DAY – 4 September 2018 (TUESDAY)

	Section 3.2. Ticks and tick-borne diseases in Turkey	Section 1.4. Understanding and preventing mite bioinvasions	Section 2. Soil Acarology
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Alparslan YILDIRIM Ayse Semra GURESER	Maria NAVAJAS Denise NAVIA	Frédéric BEAULIEU Shahrooz KAZEMI
16.00-16.15	Phylogenetic characterization of ixodid ticks infesting different hosts from the Kayseri region of Turkey <u>Onder DUZLU</u> , Alparslan YILDIRIM, Zuhar ONDER, Arif CIOGLU, Osman IBIS, Gamze YETISMIS, Coskun TEZ, Abdullah INCI	Detection and identification of invasive mites and regulatory measures: a global update <u>Ronald OCHOA</u> , <u>Cal WELBOURN</u> , Jurgen OTTO, Denise NAVIA, Maria NAVAJAS, Francisco FERRAGUT, Gary R. BAUCHAN	An entomopathogenic nematode as a potential biological control agent for vector mites and vector borne diseases Thalakkattil Raghavan SOBHA, Mohamed <u>Abdul HAQ</u>
16.15-16.30	Molecular identification, phylogeny and geographic distribution of <i>Hyalomma</i> (Acari: Ixodidae) species in Turkey <u>Olcay HEKIMOGLU</u> , Nurdan OZER		I can't live without you (of the opposite sex): <i>Parasitus</i> aff. <i>fimetorum</i> (Mesostigmata: Parasitidae), a mite that requires a partner to complete its development <u>Diana RUEDA-RAMIREZ</u> , Diana RIOS-MALAYER, Amanda VARELA-RAMÍREZ, Gilberto J. de MORAES
16.30-16.45	Genetic characterization and expression analyses of the protective antigen subolesin in <i>Hyalomma anatolicum</i> and <i>H. rufipes</i> lineages infesting cattle in the Kayseri region of Turkey <u>Alparslan YILDIRIM</u> , <u>Onder DUZLU</u> , Zuhar ONDER, Arif CIOGLU, Gamze YETISMIS, Abdullah INCI	Rules for importation of natural enemies to Europe and secure identification: the case of Phytoseiidae <u>Marie-Stephane TIXIER</u> , Serge KREITER	Taxonomic studies on oribatid mites of the superfamily Galumnoidea (Acari: Oribatida) in Japan <u>Wataru HAGINO</u> , Satoshi SHIMANO
16.45-17.00	Molecular investigation of the natural transovarial transmission of tick-borne pathogens in Turkey Ömer ORKUN		Mesostigmatid mites (Acari: Mesostigmata) from soils of rose crops and natural vegetation on the Bogotá high plateau, Colombia <u>Diana RUEDA-RAMIREZ</u> , Amanda VARELA, Gilberto J. de MORAES

2nd DAY – 4 September 2018 (TUESDAY)

17.00-17.15	Prevalence of <i>Hemolivia mauritanica</i> in natural populations of <i>Testudo graeca</i> in Çorum Province, Middle Black Sea Region, Anatolia, Turkey Arzu COMBA, <u>Gönül ARSLAN AKVERAN</u>	General discussion Invasions and biosecurity: lessons gained and perspectives	Soil-inhabiting mites of the family Parasitidae (Mesostigmata: Gamasina) from the central and northwestern regions of Iran, with a new record <u>Ali AHADIYAT</u> , Mohamed W. NEGM, Reyhaneh ABUTALEB KERMANI, Celine ORDOUKHANIAN, Hajar AGHA ALIKHANI, Omid JOHARCHI
17.15-17.30	Diagnosis of Crimean Congo haemorrhagic fever virus by Real-time PCR between 2010 and 2017 in Samsun and neighbouring provinces of Turkey <u>Seda GUDUL-HAVUZ</u> , Aysegul TAYLAN-OZKAN	Poster session	Section 3. Aquatic acarology Chairs: Olga MAKAROVA Ismail DOKER
17.30-17.45	Comparison of real-time PCR and IFA for the detection of Crimean Congo haemorrhagic fever virus <u>Seda GUDUL-HAVUZ</u> , Aysegul TAYLAN-OZKAN	Poster session	Dermal glands of the freshwater mite <i>Limnochares aquatica</i> (L., 1758) (Acariformes, Limnocharidae) and their functional and evolutionary significance Andrey B. SHATROV
17.45-18.00	A molecular survey of <i>Babesia microti</i> in wild rodents in Turkey <u>Selma USLUCA</u> , Bekir CELEBI, Djursun KARASARTOVA, Ayse Semra GURESER, Ferhat MATUR, Mehmet Ali OKTEM, Mustafa SOZEN, Ahmet KARATAS, Cahit BABUR, Aysegul TAYLAN OZKAN	Poster session	New records and a checklist of marine mites of Turkey Furkan DURUCAN
18.00-18.15	Molecular evidence for transstadial transmission of <i>Ehrlichia canis</i> by <i>Rhipicephalus sanguineus sensu lato</i> under field conditions Neval Duygu SAYIN IPEK, <u>Sezayi OZUBEK</u> , Munir AKTAS	Poster session	Poster session
18.15-18.30	Poster session		

3rd DAY – 5 September 2018 (WEDNESDAY) - TECHNICAL & SOCIAL TOURS

09.00-12.00	Technical tour: Batı Akdeniz Agricultural Research Institute
14.00-19.00	Social tour: Aspandos Antique Theatre

4th DAY – 6 September 2018 (THURSDAY)

09.00-09.30	Keynote speaker / Fatih Sultan Mehmet Edward A. UECKERMANN South African and African acarology		
	Section 1. SYMPOSIUM: Ticks and tick-borne diseases Section 1.1. Ticks and tick-borne diseases worldwide	Section 1. Taxonomy and systematics	Section 1. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Kosta Y. MUMCUOGLU Michael LEVIN	Marie-Stephane TIXIER Dejan MARCIC	Hans KLOMPEN Prakya Sreerama KUMAR
09.45-10.00	Plenary Lecture Changing paradigms of tick-borne rickettsioses Michael L. LEVIN	New observations on the genus <i>Chyzeria</i> (Acari: Acariformes: Chyzeriidae), with notes on Chyzeriidae <u>Cal WELBOURN</u> , Rossana FUENTES, Maria E. CASANUEVA, Gary R. BAUCHAN, Ronald OCHOA	Eriophyid mites as biocontrol agents of weeds: challenges for future research Massimo CRISTOFARO, Enrico DE LILLO, Francesca MARINI, Philip WEYL, Lincoln SMITH, Brian G. RECTOR, Radmila PETANOVIĆ, <u>Biljana VIDOVIĆ</u>
10.00-10.15		Genetic variability of the tomato russet mite, <i>Aculops lycopersici</i> (Eriophyidae), populations associated with cultivated and wild solanaceous plants Mércia E. DUARTE, Renata S. MENDONÇA, Maria L. S. C. M. ALVES, João F. M. RORIZ, Marselle R. CAPPSSA, <u>Denise NAVIA</u>	Diversity and distribution of beneficial mites from cherry (<i>Prunus avium</i> L.) (Rosaceae) and sour cherry (<i>Prunus cerasus</i> L.) (Rosaceae) in Ankara, Turkey <u>Tuğba ERDOĞAN</u> , Sultan ÇOBANOĞLU
10.15-10.30	Plenary Lecture Seasonal activity of <i>Ixodes inopinatus</i> and <i>Ixodes ricinus</i> and prevalence of pathogens in a sympatric focus in Southeastern Germany <u>Lidia CHITIMIA-DOBLER</u> , Silke WÖLFEL, Ramona RIESS, Sabine SCHAPER, Giulia LEMHÖFER, MALENA BESTEHORN, Gerhard DOBLER	A new species of spider mite in the genus <i>Oligonychus</i> (Acari: Tetranychidae) from Japan <u>Tea ARABULI</u> , Tetsuo GOTOH	Banker-Sheet™: A new device for allowing predatory mites to long breed, protecting their population against environmental stresses and increasing predator release to crops <u>Yoshitake KAGAWA</u> , Kotaro MORI, Tetsuo NAKAJIMA, Tadashi HIRAOKA
10.30-10.45		Taxonomic and molecular characters of some Phytoseiidae species from Turkey <u>Sultan ÇOBANOĞLU</u> , Tuğba ERDOĞAN, Marie-Stéphane TIXIER	Oribatid mites as potential predators of the root knot nematode, <i>Meloidogyne incognita</i> (Kofoid & White, 1919) Chitwood, 1949 <u>Nithinya RAMAKRISHNAN</u> , Ramani NIRAVATH
10.45-11.00	Coffee break		

4th DAY – 6 September 2018 (THURSDAY)

	Section 1.1. Ticks and tick-borne diseases worldwide	Section 2. Biodiversity	Section 2. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Kosta Y. MUMCUOGLU Michael LEVIN	Eddie A. UECKERMANN Maka MURVANIDZE	George BROUFAS Norihide HINOMOTO
11.00-11.15	Vectorial capacity of <i>Rhipicephalus sanguineus</i> and <i>Rhipicephalus turanicus</i> in Israel Kosta Y. MUMCUOGLU	Is a cataclysmic mass extinction of mite species occurring in the shadows of high profile insect and vertebrate extinctions? <u>Gregory T. SULLIVAN</u> , Sebahat K. OZMAN-SULLIVAN	Performance of the generalist predatory mite <i>Amblyseius swirskii</i> Athias-Henriot (Acari: Phytoseiidae) on tomato genotypes with different trichome phenotypes <u>Angeliki PASPATI</u> , Joel GONZÁLEZ-CABRERA, Alberto URBANEJA
11.15-11.30	Blood Meal Analysis and what it tells about the TBE virus natural transmission cycle <u>Malena BESTEHORN</u> , Sabine SCHAPER, Lidia CHITIMIA-DOBLER, Gerhard DOBLER	Spider mites on medicinal and endemic plants of Serbia and the Balkans <u>Dejan MARČIĆ</u> , Ivana MARIĆ, Irena MEDO, Slobodan JOVANOVIĆ, Radmila PETANOVIĆ, Philippe AUGER	Effect of low relative humidity on the predatory mite <i>Phytoseiulus persimilis</i> <u>Sophie LE HESRAN</u> , Tom GROOT, Markus KNAPP, Marcel DICKE
11.30-11.45	Taxonomic analysis of <i>Hyalomma anatolicum</i> based on morphological and molecular characteristics <u>Ze CHEN</u> , Qianyun REN, Jin LUO, Kaifei GUO, Andrew LI, Tinghuan WEN, Xiaocui LIU, Shahid KARIM, Guangyuan LIU, Hong YIN	Problems and challenges for the study of gamasoid mite (Acari, Gamasida) diversity in Georgia <u>Maka MURVANIDZE</u> , Levan MUMLADZE, Nino TODRIA	Hierarchical analysis of in-and out-breeding in the haplodiploid predatory mite, <i>Phytoseiulus persimilis</i> <u>Demet ÇEKİN</u> , Peter SCHAUSBERGER
	Section 1.2. Tick biology and physiology	Section 2. Biodiversity	Section 2. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Olaf KAHL, Kimiko OKABE	Eddie A. UECKERMANN Maka MURVANIDZE	George BROUFAS Norihide HINOMOTO
11.45-12.00	Active water vapor uptake in unfed and engorged <i>Dermacentor marginatus</i> (Acari, Ixodidae) <u>Olaf KAHL</u> , Wilhelm KNÜLLE	Case studies with oribatid mites reveal wood ant nest mounds as biodiversity hotspots <u>Riikka ELO</u> , Ritva PENTTINEN, Jouni SORVARI	Life history of <i>Typhlodromus athiasae</i> as a predator of <i>Tetranychus urticae</i> (Acari: Phytoseiidae, Tetranychidae) at different temperatures İsmail KASAP, Serkan PEHLIVAN, Şahin KÖK, <u>Remzi ATLIHAN</u>

4th DAY – 6 September 2018 (THURSDAY)

12.00-12.15	The role of three enzymes in embryonic development of the tick, <i>Haemaphysalis longicornis</i> Tiantian ZHANG, Zhaoxi QIU, Yuan LI, Wenyong WANG, Mengmeng LI, Zhijun YU, Xiaolong YANG, <u>Jingze LIU</u>	Species richness and biodiversity of Uropodina mites (Acari: Mesostigmata) from Brazil, Belize and Mexico <u>Maria Magdalena VÁZQUEZ GONZÁLEZ</u> , Gilberto DE MORAES, Jandir CRUZ SANTOS, Jorge SANCHEZ, Leticia Henrique AZEVEDO, Geovanny SOARES, David Miguel MEDINA, Kamira Zuelane COOCH, Abigail Liliana AGUIRRE CORTÉS	The effects of <i>Cardinium</i> and <i>Wolbachia</i> on the reproduction and fitness of a predatory mite and its prey <u>Yiyi ZHAO</u> , Yanna ZHANG, Qian Zhao, Feng LIU
12.15-12.30	Cloning and characterization of two defensin-like antimicrobial peptides from the tick, <i>Hyalomma asiaticum</i> <u>Xiaolong YANG</u> , Weili LI, Zhihua GAO, Zhijun YU, Peijing ZHENG, Jingze LIU	Biodiversity of spider mites in the Tara National Park in Serbia <u>Ivana MARIĆ</u> , Irena MEĐO, Slobodan JOVANOVIĆ, Radmila PETANOVIĆ, Dejan MARČIĆ, Philippe Auger	Evaluation of seventeen entomopathogenic <i>Beauveria bassiana</i> Bals. (Vuill) isolates against the two-spotted spider mite (<i>Tetranychus urticae</i> Koch, Acari: Tetranychidae) <u>Dürdane YANAR</u> , Yusuf YANAR, Kadriye ATEŞ
12.30-12.45	Life cycle parameters of two common cattle tick species, <i>Amblyomma integrum</i> and <i>Rhipicephalus microplus</i> Kalpani O. BANDARANAYAKA, <u>Rupika S. RAJAKARUNA</u>		
12.45-14.00	Lunch		
14.00-14.30	Keynote speaker / Fatih Sultan Mehmet Hans KLOMPEN Higher order relationships in the Uropodina (Mesostigmata)		
	Section 1.3. Tick epidemiology and systematics	Section 3. Evolution and phylogeny	Section 3. Agricultural acarology
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Lidia CHITIMIA-DOBLER Munir AKTAS	Sergey MIRONOV Gregory T. SULLIVAN	Joanna MAKOL Ibrahim CAKMAK
14.30-14.45			Evaluation of <i>Xenorhabdus</i> and <i>Photorhabdus</i> spp. culture supernatants against <i>Tetranychus urticae</i> (Acari: Tetranychidae) <u>Ibrahim CAKMAK</u> , Selcuk HAZIR, Ceren EROGLU, Mehmet KARAGOZ, Derya ULUĞ, Harun ÇIMEN

4th DAY – 6 September 2018 (THURSDAY)

14.45-15.00	<p>Human otoacariasis in Sri Lanka: Tick species associated and risk factors</p> <p><u>Rupika S. RAJAKARUNA</u>, Kalpani BANDARANAYAKA, Sodini ARIYARATNE</p>	<p>Codispersals and host shifts inferred by double dating of host and parasite phylogenies in proctophyllodid feather mites (Astigmata: Proctophyllodidae) associated with passerines (Aves: Passeriformes)</p> <p>Pavel B. KLIMOV, <u>Sergey V. MIRONOV</u>, Barry M. OCONNOR</p>	<p>The expression pattern of ecdysteroid biosynthesis and signaling genes during the molting process in a spider mite</p> <p><u>Gang LI</u>, Jinzhi NIU, Guy SMAGGHE, Jin-Jun WANG</p>
15.00-15.15	<p>A survey on cattle hard ticks fauna in Maragheh, Iran</p> <p><u>Sohrab RASOULI</u>, Farshad MAZAHERI CHORS, Navid MOHAMMADI</p>	<p>Genomics of <i>Cardinium Brevipalpus</i> mites endosymbionts suggest metabolic connections with host mite and with other symbionts</p> <p>Thi-Phuong LE, Zaichao ZHANG, Yao-Cheng LIN, <u>Denise NAVIA</u>, Valdenice M. NOVELLI, Juliana FREITAS-ASTUA, Renata Santos de MENDONÇA, Maria Andreia NUNES, Thomas VAN LEEUWEN, Johannes AJ BREEUWER, Yves VAN DE PEER</p>	<p>The diversity and ecology of mites (Acari) in South African vineyards</p> <p><u>Mia VERMAAK</u>, Pia ADDISON, Ruan VELDTMAN, Eddie A. UECKERMANN</p>
15.15-15.30	<p>Integrative taxonomy of Afrotropical <i>Ornithodoros (Ornithodoros)</i> (Acari: Ixodida: Argasidae)</p> <p><u>Deon K. BAKKES</u>, Daniel De KLERK, Abdalla A. LATIF, Ben J. MANS</p>	<p>Preliminary phylogenetic hypothesis of the subfamily Tarsoneminae (Heterostigmata: Tarsonemidae) based on the local species assemblage</p> <p>Wojciech MAGOWSKI, <u>Saeide GHEBLEALIVAND</u>, Karim HADDAD IRANI-NEJAD, Shahab MANZARI</p>	<p>A preliminary study of mites in the cork oak forests of Tunisia</p> <p><u>Amani BELLAHIRECH</u>, Hajer SAHRAOUI, Sabine ATTIA, Mohamed Lahbib BEN JAMAA, Kaouther LEBDI GRISSA</p>
15.30-15.45	<p>Tick predation by the pseudoscorpion, <i>Megachernes ryugadensis</i> (Pseudoscorpiones: Chernetidae), associated with Japanese wood mice</p> <p><u>Kimiko OKABE</u>, Shun'ichi MAKINO, Takuya SHIMADA, Takuya FURUKAWA, Hayato IJIMA, Yuya WATARI</p>	<p>Revision of the genus <i>Neotropacarus</i> Cunliffe, 1964 (Acaridae) with the description of three new species</p> <p><u>Marina F.C. BARBOSA</u>, Gilberto J. de MORAES, Barry M. OCONNOR</p>	<p>The castor bean plant, <i>Ricinus communis</i>, as an alternative host plant for <i>Tetranychus urticae</i> for the mass rearing of the common phytoseiid predators, <i>Phytoseiulus persimilis</i> and <i>Neoseiulus californicus</i> in Egypt</p> <p><u>Ahmed Y. M. ELLAITHY</u>, Amira A. ABDELKHALEK</p>
15.45-16.00	Coffee break		

4th DAY – 6 September 2018 (THURSDAY)

	Section 2. Integrated pest management	Section 4. Biodiversity	Section 4. Taxonomy and systematics
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Sergei Y. POPOV Firdevs ERSIN	Cal WELBOURN Edith G. ESTRADA-VENEGAS	James W. AMRINE Enric VILA
16.00-16.15	A good combination of phytoseiid mite with UVB in spider mite management <u>Masahiro OSAKABE</u> , Nariaki SUGIOKA, Kazuhiro NAKAI, Mari KAWAKAMI, Yasumasa MURATA, Nobuhiro HIRAI	Invited Speaker Free-living mites (Acari) of the Franz Josef Land Archipelago, the coldest territory in the Old World: diversity, distributions, assemblages Olga MAKAROVA	On-line database of Eriophyoidea: a project to create an important tool for taxonomists <u>Philipp E. CHETVERIKOV</u> , <u>Sarah ZUKOFF</u> , James W. AMRINE
16.15-16.30	Adaptation of physical control of <i>Tetranychus urticae</i> featuring UVB <u>Masaya TANAKA</u> , Junya YASE, Takeshi KANTO, Masahiro OSAKABE		<i>Phyllocoptes</i> (Acari: Eriophyoidea) from rose: how many species? <u>Tobiasz DRUCIAREK</u> , Mariusz LEWANDOWSKI, Ioannis TZANETAKIS
16.30-16.45	Side effects of zeolite on the predatory mite, <i>Amblyseius swirskii</i> <u>Mehmet KEÇEÇİ</u> , Ali ÖZTOP	Invited Speaker Lindquist et al. 1979 revisited: knowledge status and taxonomic gaps on the acarine diversity in Canada <u>Frédéric BEAULIEU</u> , Wayne KNEE, Victoria NOWELL, Marla SCHWARTZFELD, Zoë LINDO, Monica YOUNG, Heather PROCTOR, Terry GALLOWAY, Lisa LUMLEY, Ian SMITH, Valerie BEHAN-PELLETIER, David WALTER, Evert LINDQUIST	The Megalolaelapidae awakens: systematic revision and biology of Megalolaelapidae (Mesostigmata: Dermanyssina) Orlando COMBITA-HEREDIA, Edwin Javier QUINTERO-GUTIÉRREZ, <u>Hans KLOMPEN</u>
16.45-17.00	Poster session		Inclusions of terrestrial Parasitengona (Actinotrichida, Prostigmata) in amber material <u>Marta KONIKIEWICZ</u> , Joanna MAKOL
17.00-17.15	Poster session	Invited Speaker A review of the feather mite family Gabuciniidae Gaud & Atyeo (Astigmata: Pterolichoidea) from Brazil Fabio Akashi HERNANDES	A new, interesting tenuipalpid (Acari: Trombidiformes: Tenuipalpidae) <u>Eddie A. UECKERMANN</u> , Ronald OCHOA, Gary R. BAUCHAN
17.15-17.30	Poster session		One new genus, two new species, three new records and an updated record of mites in Thailand <u>Ploychompoo KONVIPASRUANG</u> , Angsumarn CHANDRAPATYA

4th DAY – 6 September 2018 (THURSDAY)

17.30-17.45	Poster session	Poster session	A new species of the genus <i>Storchia</i> (Acari: Stigmaeidae) from Pakistan <u>Bilal Saeed KHAN</u> , Muhammad Asif QAYYOUM, Muhammad FAROOQ
17.45-18.00	Poster session	Poster session	Description of a new species (Acari: Mesostigmata: Trematuridae) from Pakistan <u>Muhammad Asif QAYYOUM</u> , Bilal Saeed KHAN
18.00-18.30	Poster session		
20.30	Gala dinner: On a yacht		

5th DAY – 7 September 2018 (FRIDAY)

	Section 1. Alternative pesticides	Section 1. Biodiversity - Dispersal of mites - Taxonomy and systematics	Section 1. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Masahiro OSAKABE Andrey B. SHATROV	Zhi-Qiang ZHANG Fabio Akashi HERNANDES	Andreas WALZER Dürdane YANAR
09.00-09.15	Toxicity and durability of two types of nanoformulation of <i>Achillea</i> spp. (Asteraceae) essential oil against the two spotted spider mite, <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) <u>Moosa SABER</u> , Zeinab AHMADI, Gholamreza MAHDAVIN	Feather mites from brood parasitic birds of the world: new data from the shiny cowbird (<i>Molothrus bonariensis</i> , Icteridae) <u>Luiz Gustavo de A. PEDROSO</u> , Fabio Akashi HERNANDES	Phytoseiid mites (Acari: Phytoseiidae) of Turkey: from past to present <u>Ismail DOKER</u> , Cengiz KAZAK, Kamil KARUT
09.15-09.30	Alternative control agents of the dried fruit mite, <i>Carpoglyphus lactis</i> (L.) (Acari: Carpoglyphidae) on dried apricots <u>Vefa TURGU</u> , Nabi Alper KUMRAL	<i>Brevipalpus</i> mites (Tenuipalpidae) of the Azores Islands Jorge Laerson S. ALVES, Renata S. MENDONÇA, Francisco FERRAGUT, Aline D. TASSI, Elliot W. KITAJIMA, Denise NAVIA	The effect of birch pollen on the biological control of the two spotted spider mite, <i>Tetranychus urticae</i> , by the predatory mite, <i>Kampimodromus aberrans</i> İsmail KASAP
09.30-09.45	RNAi in <i>Tetranychus urticae</i> by feeding on dsRNA-coated leaves <u>Hebatallah Galal Mansour ABOUELMAATY</u> , Noureldin Abuelfadl GHAZY, Takeshi SUZUKI	Acarine biodiversity associated with bark beetles in Mexico Martha Patricia CHAIRES-GRIJALVA, Edith G. ESTRADA-VENEGAS, Iván F. QUIROZ-IBÁÑEZ, Armando EQUIHUA-MARTÍNEZ, John C. MOSER	The determination of some biological parameters of the predatory mite <i>Kampimodromus aberrans</i> on <i>Tetranychus urticae</i> <u>Tuğba ERDOĞAN</u> , Sultan ÇOBANOĞLU

5th DAY – 7 September 2018 (FRIDAY)

	Section 1. Alternative pesticides	Section 1. Biodiversity - Dispersal of mites - Taxonomy and systematics	Section 1. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Masahiro OSAKABE Andrey B. SHATROV	Zhi-Qiang ZHANG Fabio Akashi HERNANDES	Andreas WALZER Dürdane YANAR
09.45-10.00	Control of mite pests with botanical acaricides in Thailand <u>Ammorn INSUNG</u> , Jarongsak PUMNUAN	Biodiversity and impacts of plant feeding mites on the tea plant, <i>Camellia sinensis</i> , in South Africa Pholosi A. MAAKE, <u>Eddie A. UECKERMANN</u>	Use of the predatory mite <i>Phytoseiulus persimilis</i> (Acari: Phytoseiidae) in the control of the two-spotted spider mite (<i>Tetranychus urticae</i> Koch, Acari: Tetranychidae) in greenhouse cucumber production in Tokat Province, Turkey <u>Dürdane YANAR</u> , Naif GEBOLOĞLU, Tuğba ÇAKAR, Merve ENGÜR
10.10-10.15	Acaricidal activity of <i>Allium sativum</i> L. extracts against the stored product mite, <i>Suidasia pontifica</i> Mark Anthony Angeles MANGOBA	Behavioural, morphological and environmental interactions predict passive dispersal in the invasive wheat curl mite (WCM) <u>Alicja LASKA</u> , Lechosław KUCZYŃSKI, Brian G. RECTOR, Anna SKORACKA	Observations of sperm and the sperm transfer process in <i>Phytoseiulus persimilis</i> (Acari: Phytoseiidae) Xiaohuan JIANG, Jiale LV, Endong WANG, <u>Xuenong XU</u>
10.15-10.30		Understanding Indian tetranychid diversity – a perusal of molecular evidence <u>Srinivasa NAGAPPA</u> , Chinnamadegowda CHANNEGOWDA, Rakesh HADLAHALLI PUTTASWAMYGOWDA	Biology and potential of the predatory mite, <i>Amblyseius swirskii</i> Athias-Henriot (Acari: Phytoseiidae), for controlling thrips in Thailand <u>Athitiya KAEWPRADIT</u> , Pichate CHAOWATTANAWONG, Ploychompoo KONVIPASRUANG, Atcharabhorn PRASOETPHON
10.30-10.45		Fauna and diversity of poultry manure-inhabiting mites (Acari: Mesostigmata) from the Punjab Province, Pakistan <u>Muhammad Asif QAYYOUM</u> , Bilal Saeed KHAN, Abid Mahmood ALVI	Are predatory mites efficient vectors for entomopathogenic fungi: a comparative study? <u>Gongyu LIN</u> , Claude GUERTIN, Sean-Anthony PAOLO, Silvia TODOROVA, Jacques BRODEUR
10.45-11.00	Coffee break		

5th DAY – 7 September 2018 (FRIDAY)

	Section 2. Chemical control and resistance	Section 2. Ecology and behavior of mites - Population dynamics	Section 2. Biological control
Room	Osman Gazi	Fatih Sultan Mehmet	Kanuni Sultan Suleyman
Chairs	Sauro SIMONI Mohamed Abdul HAQ	Jose Carlos VERLE RODRIGUES Katsura ITO	Hugo AGUILAR Ismail KARACA
11.00-11.15	Tomato russet mite, <i>Aculops lycopersici</i> : status in Belgian tomato greenhouses, screening of pesticides and estimation of population densities Eva REYBROECK, Lotte SIMILON, Ibrahim ISMAEIL, Rob MOERKENS, Thomas VAN LEEUWEN, Lieve WITTEMANS, Raf DE VIS	Effects of bacterial endophytes on the density and preferences of spider mites (Acari: Tetranychidae) Norihide HINOMOTO, Fukuyo TANAKA, Yoshinari OHWAKI	Improvement of biocontrol with releases of astigmatid mites Enric VILA, M del Mar MORALES, Anabel PARRA, Ana Belén ARÉVALO, Don GRIFFITHS
11.15-11.30	The resistance status to abamectin and pyridaben of <i>Panonychus citri</i> (Acari: Tetranychidae) collected from the eastern Mediterranean region of Turkey Ismail DOKER, Cengiz KAZAK, Recep AY	Do spider mites evolve antagonistic traits against cytoplasmic incompatibility induced by <i>Wolbachia</i> ? Flore ZÉLÉ, Inês SANTOS, Leonor R. RODRIGUES, Paula MARTINEZ JIMINEZ, João ALPEDRINHA, Sara MAGALHÃES	Screening of potential predators for the control of tomato russet mite, <i>Aculops lycopersici</i> Dominiek VANGANSBEKE, Juliette PIJNAKKER, Lotte SIMILON, Marcus DUARTE, Rob MOERKENS, Patrick DE CLERCQ, Raf DE VIS, Felix WACKERS
11.30-11.45	Establishment of integrative resistance levels and acaricide resistance level status in Korea for <i>Tetranychus urticae</i> Deok Ho KWON, Taek Jun KANG, Si Hyeock LEE	Spider mites on apparent versus unapparent plants: what changes? Jinzhi NIU, Qun YANG, Qinzhe SUN, Jinjun WANG	Phenotypic plasticity of a predatory mite under high temperatures and its application in Chongqing, China Ya Ying LI, Zi Ying WANG, Huai LIU, Jin Jun WANG
11.45-12.00	Abamectin and milbemectin resistance in European populations of the two-spotted spider mite, <i>Tetranychus urticae</i> Wenxin XUE, Emre INAK, Simon SNOEK, Wannes DERMAUW, Thomas VAN LEEUWEN	New types of attacking behaviors against predators inside and outside nests of <i>Schizotetranychus brevisetosus</i> Ehara (Acari: Tetranychidae) on blue Japanese oak Katsura ITO	Plant feeding by two <i>Euseius</i> species (Acari: Phytoseiidae): there is more to it than meets the eye! Prakya Sreerama KUMAR

5th DAY – 7 September 2018 (FRIDAY)

12.00-12.15	<p>Toxicity of phosphine fumigation to <i>Suidasia pontifica</i></p> <p><u>Mark Anthony Angeles MANGOBA</u>, Miriam Amoranto ACDA</p>	<p>How opilioacarids (Parasitiformes: Opilioacarida) live, love and take care of their offspring</p> <p><u>María Magdalena VÁZQUEZ</u>, Daniel MAY, Elvia ALAMILLA, Hans KLOMPEN</p>	<p>Comparative biology of <i>Tetranychus urticae</i> Koch (Prostigmata: Tetranychidae) and its native predator, <i>Neoseiulus longispinosus</i> (Evans) (Mesostigmata: Phytoseiidae) on cucumber</p> <p>Neena LENIN, <u>Haseena BHASKAR</u></p>
12.15-12.30	<p>The resistance levels to some acaricides of <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae) collected from vegetable greenhouses in Antalya Province, Turkey</p> <p><u>Yasin Nazım ALPKENT</u>, Abdullah YILMAZ, Recep AY, Selçuk ULUSOY, Züleyha YAVUZ, Emre İNAK, Başak COŞKUN, A. Emre ATIŞ</p>	<p>Changes in the amplitude of temperature affect the biological parameters of <i>Tetranychus macfarlanei</i> and <i>Oligonychus biharensis</i></p> <p><u>Mohammad Shaef ULLAH</u>, Tetsuo GOTOH</p>	<p>Bionomics of the predatory mite, <i>Neoseiulus californicus</i>, as affected by feeding on <i>Tetranychus urticae</i> inhabiting three different rose cultivars, with and without the mycelia of <i>Podosphaera pannosa</i> var. <i>rosae</i></p> <p><u>Ahmed Y. M. ELLAITHY</u>, Morad F. HASSAN, Ayman M. HANFY, Fareed ABD ELKAREEM</p>

12.30-14.00 **Lunch**

14.00-15.30	<p>Closing Ceremony</p> <p>Sebahat K. Ozman-Sullivan – President, XV ICA 2018</p> <p>Sebahat K. Ozman-Sullivan – Presentation of student awards</p> <p>Peter Schausberger – Secretary, Executive Committee, ICA:</p> <p>General assembly, including the announcement of the host country for XVI ICA 2022</p> <p>President – XVI ICA 2022 – Presentation on the congress</p> <p>Andreas Walzer – Presentation on the IOBC-WPRS Working Group “Integrated control of mite pests”, 2019</p> <p>Enrico de Lillo – Presentation on the European Acarology Congress, 2020</p> <p>Maria Pappas – Presentation on the European Entomology Congress, 2022</p>
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6th DAY – 8 September 2018 (SATURDAY)

08.00-18.00	<p>Post congress tour — Price: 60 Eur</p> <p>Tour Includes:</p> <ul style="list-style-type: none"> — Pick up from the hotel at approx. 8:00am — All entrance fees mentioned in the itinerary — Myra (Castle) — St. Nicholas Church — Boat to Sunken City, Kekova, Theissuma, Simena Castle + swimming break — Lunch included (drinks are extra) — Transportation in a fully air-conditioned coach — Return transfer to the hotel at approx. 18:00 pm
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Contacts

Congress President

Sebahat K. Ozman-Sullivan

E-mail: sozman@omu.edu.tr

Tel: +90 536 692 65 55

Scientific Secretariat

Gregory T. Sullivan

E-mail: ica2018turkey@gmail.com

Tel: +90 534 368 46 91

Organizing Secretariat

Company: BILKON Travel Agency

Address: Cinnah Cad. Gelibolu Sok.

No: 3 /11 Kavaklıdere-Ankara / TURKEY

Tel: +90 312 466 14 66

Fax: +90 312 466 14 68

E-mail: kongre@bilkonturizm.com.tr



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