

MONDAY 20 JULY

08:00-09:00 Registration - Welcome coffee

Hall Lamour - Bât. 9

PLENARY SESSIONS

09:00-09:30 Introduction

Amphi. Lamour - Bât. 9

- 09:00-09:15 • **Welcome note**
Marie-Stéphane TIXIER, Alice CHARALABIDIS & Denise NAVIA
- 09:15-09:30 • **Mc Murtry Award**
Zhi-Qiang ZHANG (*Bioeconomy Science Institute, Auckland City, New Zealand*)

09:30-10:15 PLENARY 1

- **KN-1 - Navigating the Future of Acarology: Honoring Tradition, Advancing Knowledge**
Jerry KRANTZ (*Oregon State University, Corvallis Oregon, USA*)

10:15-10:25 Room change

PARALLEL SESSIONS

10:25-12:25 Systematics, morphological traits and biodiversity (1)

Amphi. Lamour - Bât. 9

Chairs: Sebahat OZMAN-SULLIVAN & Davina SACCAGGI

- 10:25-10:45 • **O1 - Advancing mite conservation – why, where and how**
Sebahat OZMAN-SULLIVAN (*Department of Plant Protection, Faculty of Agriculture, Ondokuz Mayıs University, Samsun, Türkiye*)
- 10:45-11:05 • **O2 - The Enduring Legacy of Antonio Berlese: Bridging Historical Innovation and Modern Science**
Sauro SIMONI (*DC (Research centre for Plant Protection and Certification), CREA (Council for Agriculture Research and Economics), Firenze, Italy*)

11:05-11:25 Coffee break

Hall Lamour - Bât. 9

- 11:25-11:45 • **O3 - Caught in the act: terrestrial parasitengonan mite larvae parasitising flies in amber**
Sofia I. ARCE (*Biocenter, Faculty of Biology, LMU Munich, Planegg, Germany*)
- 11:45-12:05 • **O4 - Brevipalpus and beyond: Lessons for modern acarological taxonomy**
Davina SACCAGGI (*Citrus Research International, Stellenbosch, Western Cape, South Africa*)
- 12:05-12:25 • **O5 - Water mites of Brazil: History, current state of knowledge and perspectives in the most biodiverse country in the world**
Dante BATISTA-RIBEIRO (*UFMG Acarology Laboratory, Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil*)

10:25-12:25 Ticks and mites: biological control for plants and animals (1)

Amphi. 206 - Bât. 9

Chairs: Francisco FERRAGUT & Arnon TABIC

- 10:25-10:45 • **O1 - Biological control potential of *Neoseiulus longispinosus* and its chromosomal-level genome assembly**
Zhengpei YE (*Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences, Haikou, China*)
- 10:45-11:05 • **O2 - Bio-efficacy of *Neoseiulus longispinosus* Evans (Mesostigmata: Phytoseiidae) against *Tetranychus truncatus* Ehara on marigold**
Haseena BHASKAR (*All India Network Project on Agricultural Acarology, College of Agriculture, Vellanikkara, Thrissur, Kerala, India*)

11:05-11:25 **Coffee break** Hall Lamour - Bât. 9

- 11:25-11:45 • **O3 - Mint as a reservoir plant for *Typhlodromus (Anthoseius) recki* Wainstein (Acari: Phytoseiidae) to control *Aculops lycopersici* Tryon (Acari: Eriophyiidae) on tomato**
Marie-Stephane TIXIER (UMR CBGP, Institut Agro Montpellier, Montpellier, France)
- 11:45-12:05 • **O4 - Preventive releases of predatory mites to control spider mites infestations in protected crops, open fields and orchards in Israel**
Arnon TABIC (BioBee, Sde Eliyahu, Israel)
- 12:05-12:25 • **O5 - A new mite IPM strategy: predator avoidance behaviour resulting from the synergetic effects of predator release and acaricide-treated nets**
Miriam KUNGU (Plant Health department, Integrated Pest Management, International Center of Insect Physiology and Ecology (icipe), Nairobi, Kenya)

10:25-12:25 **Mites as indicators of ecosystem sustainability (1)** Amphi. 208 - Bât. 9

Chairs: Elena GAGNARLI & Raphael CASTILHO

- 10:25-10:45 • **O1 - Vertical structuring of Mesofauna communities in European soil ecosystems**
Mia VERMAAK (Faculty of Science, Charles University, Prague 2, Czechia)
- 10:45-11:05 • **O2 - Oribatid mites of subalpine and alpine pastures in the Eastern Greater Caucasus: diversity and bioindication**
Nino TODRIA (Institute of Entomology, Agricultural University of Georgia, Tbilisi, Georgia)

11:05-11:25 **Coffee break** Hall Lamour - Bât. 9

- 11:25-11:45 • **O3 - Oribatid mite community structure (Acari: Oribatida) in sugarcane crops and abandoned agricultural soils in Ayala, Morelos, Mexico**
Fernando VILLAGOMEZ (Lab. Ecología y Sistemática de Microartrópodos, Universidad Nacional Autónoma de México, Mexico City, Coyoacán, Mexico)
- 11:45-12:05 • **O4 - Impact of agricultural practices on soil mite communities in a sugarcane agroecosystem in Morelos, México**
Margarita OJEDA (Laboratorio de Ecología y Sistemática de Microartrópodos, Departamento de Ecología, Science Faculty, Universidad Nacional Autónoma de México, Mexico City, CDMX, México)
- 12:05-12:25 • **O5 - Peatlands as biodiversity hotspots of oribatid mites: a case study from Norway**
Anna SENICZAK (University of Inland Norway, Hamar, Norway)

12:30-14:00 **Lunch & Coffee** Hall Lamour - Bât. 9

PARALLEL SESSIONS

14:00-17:40 **Systematics, morphological traits and biodiversity (2)** Amphi. Lamour - Bât. 9

Chairs: Ismail DOKER & Johana MAKOL

- 14:00-14:20 • **O6 - Structure and diversity of soil mite communities in agroecosystems and a natural habitat of the eastern Mitidja (Algeria)**
Soumeiya FEKKOUN (Plant protection laboratory, Department of agricultural and forestry Zoology, National Higher School of Agronomy, Algiers (ENSA), EL Harrache Algiers, Algiers, Algeria)
- 14:20-14:40 • **O7 - Is it time to redefine generic concepts in Phytoseiidae (Parasitiformes: Mesostigmata)? Evidence from a large-scale molecular phylogeny**
Ismail DÖKER (Cukurova University, Adana, Turkey)
- 14:40-15:00 • **O8 - Larvae in armor - a peculiarity in Microtrombidiidae with discussion on adaptive value of the trait in parasitengone mites (Acariformes: Parasitengona)**
Joanna MAKOL (Department of Animal Biology and Ecology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland)

... / ...

- 15:00-15:20 • **O9 - Spider mites (Prostigmata: Tetranychidae) diversity of Balkan countries: review, new data and prospective research**
Ivana MARIĆ (Laboratory for Applied entomology, Institute for Pesticides and Environmental Protection, Belgrade Zemun, Serbia)
- 15:20-15:40 • **O10 - Phytoseiidae diversity at the AgriCongo experimental site: an integrative approach**
Mireille BELLE MBOU OKASSA (Foundation for Arthropod Biodiversity and Crop Protection, Brazzaville, Congo - Brazzaville)
- 15:40-16:00 • **O11 - The rediscovery and redescription of *Penthaleus dorsalis* (Banks, 1902) (Acari: Trombidiformes: Penthaleidae) from the eastern USA**
Cal WELBOURN (Department of Entomology, E-518, Smithsonian Museum of Natural History, Washington, DC, United States)

16:00-16:20 **Coffee break**

Hall Lamour - Bât. 9

- 16:20-16:40 • **O12 - When species boundaries blur: species identification in *Pergamasus* (Mesostigmata: Parasitidae)**
Kamila ONDREJKOVÁ (Department of Zoology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia)
- 16:40-17:00 • **O13 - The effect of storage time and temperature on the extraction efficiency of Mesostigmata communities**
Peter FENDA (Department of Zoology, Comenius University, Faculty of Natural Sciences, Bratislava, Slovakia)
- 17:00-17:20 • **O14 - Terroir in acarology: are cheese mites indigenous to their producer's ripening cabinet, and does the 500-year tradition of mite-ripening truly yield a distinctive aroma?**
Satoshi SHIMANO (Hosei University, Tokyo, Japan)
- 17:20-17:40 • **O15 - First confirmed record of *Haemaphysalis concinna* (Acari: Ixodidae) in the Khalkh Numrug basin of Eastern Mongolia**
Battsetseg BADGAR (Institute of Veterinary Medicine, Ulaanbaatar, Mongolia)

14:00-16:40 **Evolution, biogeography and functional genomics (1)**

Amphi. 206 - Bât. 9

Chairs: Pavel KLIMOV & Almir PEPATO

- 14:00-14:20 • **O1 - *Tetranychus truncatus* dominates spider mites in China: genomic insights into host range expansion and ecological fitness**
Xiao-Yue HONG (Nanjing Agricultural University, Nanjing, Jiangsu, China)
- 14:20-14:40 • **O2 - Mite be important: novel insights into the relationship of Oribatida and Astigmata by phylogenomic analyses**
David FRÖHLICH (Department of Biology, University of Graz, Graz, Austria)
- 14:40-15:00 • **O3 - Mitogenomics reveals basal *Loboquintus subsquamatus* in Eriophyoidea (Acariformes) with an atypical AGU anticodon in trnS1**
Vladimir GANKEVICH (Lab. for The Study of Parasitic Arthropods, Zoological Institute of RAS, Saint Petersburg, Russia)
- 15:00-15:20 • **O4 - A hidden Holarctic lineage? Biogeographic implications of a disjunct wood-associated laelapid mite (Mesostigmata: Laelapidae) between Iran and North America**
Hans KLOMPEN (Acarology Collection, Department of Evolution, Ecology, and Organismal Biology, Ohio State University, Columbus, Ohio, United States)
- 15:20-15:40 • **O5 - First insights on the molecular phylogeny of Uropodina based on the mitochondrial genome**
Hans KLOMPEN (Acarology Laboratory, The Ohio State University, Columbus, Ohio, United States)
- 15:40-16:00 • **O6 - Bulk segregant analysis reveals an lncRNA locus associated with photoperiodic induction of diapause in the two-spotted spider mite, *Tetranychus urticae* Koch**
Tomohiro OHSAKO (Department of Biological Sciences, Graduate School of Science, The University of Osaka, Toyonaka, Osaka, Japan)

16:00-16:20 **Coffee break**

Hall Lamour - Bât. 9

- 16:20-16:40 • **O7 - Transcriptomic characterization of diapause in a tropical population of *Tetranychus urticae* Koch (Acari: Tetranychidae)**
Júlia JANTSCH FERLA (Universidade de São Paulo, Piracicaba, SP, Brazil)

14:00-16:40	Ecology and behavior and life history traits (1)	Amphi. 208 - Bât. 9
	Chairs: Peter SCHAUSBERGER & Rostislav ZEMEK	
14:00-14:20	• O1 - Food, pathogens, and vectors: Fungi in the ecology of Phytoseiid mites Rostislav ZEMEK (<i>Institute of Entomology, Biology Centre CAS, České Budějovice, Czechia</i>)	
14:20-14:40	• O2 - CYP392 family drive chemical niche expansion and host adaptation in spider mites Menghao XIA (<i>Southwest University, Chongqing, China</i>)	
14:40-15:00	• O3 - Male mates influence female personality expression in the predatory mite <i>Phytoseiulus persimilis</i> Peter SCHAUSBERGER (<i>Behavioral & Cognitive Biology, University of Vienna, Vienna, Austria</i>)	
15:00-15:20	• O4 - Non-consumptive effects of <i>Pyemotes zhonghuaia</i> volatiles on the potato tuber moth Jian-Feng LIU (<i>Guizhou University, Guiyang, China</i>)	
15:20-15:40	• O5 - Trait-environment linkage mediates oribatid mite community assembly in litter and soil following rainforest conversion into monoculture plantations Ting-Wen CHEN (<i>J.F. Blumenbach Institute of Zoology and Anthropology, University of Göttingen, Göttingen, Germany</i>)	
15:40-16:00	• O6 - Do predatory soil mites respond to plant odours induced by their prey? The case of predatory mite <i>Blattisocius mali</i> and the acarid mite, <i>Tyrophagus putrescentiae</i> Katarzyna MICHALSKA (<i>Department of Plant Protection, Warsaw University of Life Sciences, Warsaw, Poland</i>)	
16:00-16:20	Coffee break	Hall Lamour - Bât. 9
16:20-16:40	• O7 - Acarofauna on <i>Prunus laurocerasus</i>: more than just a tree in the garden Dominiek VANGANSBEKE (<i>Biobest N.V., Westerlo, Belgium</i>)	
18:30-20:30	Wine and Cheese	Platanes Avenue

TUESDAY 21 JULY

PLENARY SESSION

09:00-09:45

PLENARY 2

- **KN-2 - Phoresy: an acarological journey from its purest form to its peculiar fringes**
Owen SEEMAN (*Acarology Australia, Brisbane, Australia*)

09:45-09:50

Room change

PARALLEL SESSIONS

09:50-12:30

The Ecology of Mite Associations: Symbiosis, Phoresy and Beyond

Amphi. Lamour - Bât. 9

Chairs: Lise ROY & Alejandra PEROTTI

09:50-10:10

- **O1 - Encounter and compatibility filters maintain host segregation between generalist and specialist Dermanyssus mites**
Lise ROY (*Université de Montpellier Paul-Valéry, Montpellier, France*)

10:10-10:30

- **O2 - Unique bumblebee-phoretic mite associations from a pristine environment of North Wales, UK**
M. Alejandra PEROTTI (*School of Biological Sciences, University of Reading, Reading, United Kingdom*)

10:30-10:50

- **O3 - Beyond mere carriage: a sporotheca-like structure in a new *Trisetacus* (Phytoseptidae) from endemic Azorean *Juniperus*, suggesting evolutionary interactions with fungi**
Lurdes BORGES SILVA (*CBGP, INRAE, CIRAD, Institut Agro, IRD, Univ. Montpellier, Montpellier, France*)

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

11:10-11:30

- **O4 - Do commercially-reared predatory mites harbor shared microbial communities?**
Yehuda IZRAELI (*Plant Protection Department, Shamir Institute, Agricultural Research Organization, Timrat, Israel*)

11:30-11:50

- **O5 - The diversity and transmission of parthenogenesis-inducing *Wolbachia* in *Bryobia* spider mites**
Godefroi GIGNOUX (*Terrestrial Ecology Unit, Department of Biology, Ghent University, Ghent, Belgium*)

11:50-12:10

- **O6 - Disentangling the Roles of *Wolbachia* and *Citrus* Host in Shaping Volatile Profiles of *Tetranychus urticae***
Monica HURTADO RUIZ (*Biología, Bioquímica y Ciencias Naturales, Universitat Jaume I de Castello, Castello de la Plana, Valencia, Spain*)

12:10-12:30

- **O7 - Host and symbiont contributions to *Wolbachia* frequency variation in *Tetranychus* mites**
Emma VAN REEMPTS (*Terrestrial Ecology Unit, Department of Biology, Ghent University, Ghent, Belgium*)

09:50-12:30

Systematics, morphological traits and biodiversity (3)

Amphi. 206 - Bât. 9

Chairs: Andreas WALER & Hans KLOMPEN

09:50-10:10

- **O16 - The missing piece of Japanese oribatid diversity: taxonomic revision of the family Pediculochelidae with descriptions of three new species**
Masaharu OSHIMA (*Graduate School of Science, Kyoto University, Kyoto, Japan*)

10:10-10:30

- **O17 - Oribatid mite research in China: a century of taxonomic and ecological advances**
Dong LIU (*Key Laboratory of Wetland Ecology, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Changchun, Jilin, China*)

10:30-10:50

- **O18 - Rare or overlooked? The importance of microhabitats in biodiversity studies of mites (Acari: Uropodina)**
Marta KULCZAK (*Natural History Collections, Adam Mickiewicz University, Poznań, Poland*)

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

11:10-11:30

- **O19 - Is there a role for morphology in uropodine systematics?**
Hans KLOMPEN (*Acarology Laboratory, Ohio State University, Columbus, Ohio, United States*)

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- 11:30-11:50 • **O20 - When “new species” are not new: Resolving confusion in Phytoseiidae (Parasitiformes: Mesostigmata) taxonomy using Florida’s type specimens**
Ismail DÖKER (*Cukurova University, Adana, Turkey*)
- 11:50-12:10 • **O21 - Predatory mites (Acari: Phytoseiidae) from Serbia: review and recent reports**
Irena MEDJO (*Laboratory of Applied Entomology, Institute of pesticides and environmental protection, Beograd-Zemun, Beograd, Serbia*)
- 12:10-12:30 • **O22 - The Invisible Minority: challenges and pitfalls in measuring diversity of predatory mites (Acari: Phytoseiidae) in apple orchards**
Andreas WALZER (*Institute of Plant Protection, University of Natural Resources and Life Sciences, Vienna, Austria*)

09:50-12:10 Symposium 1 - Bioacaricides: their effectiveness and compatibility with phytoseiid mites and other biological control agents Amphi. 208 - Bât. 9

Chairs: Haralabos TSOLAKIS & Marcic DEJAN

- 09:50-10:10 • **O1 - Compatibility of bioacaricides with phytoseiid mites - what we (don’t) know?**
Dejan MARČIĆ (*Institute of Pesticides and Environmental Protection, Belgrade, Serbia*)
- 10:10-10:30 • **O2 - From the Pint to the Plant: Can Hop Essential Oils Outsmart the Two-Spotted Spider Mite?**
Sauro SIMONI (*DC (Research centre for Plant Protection and Certification), CREA (Council for Agriculture Research and Economics), Firenze, Italy*)
- 10:30-10:50 • **O3 - Bioacaricidal potential of the essential oils and aqueous extracts of *Pistacia lentiscus* and *Mentha piperita* against phytophagous mites**
Asma BENLAOUKLI (*Department of agricultural and forestry Zoology, Higher national School of Agronomy, El Harrach, Algiers, Algeria*)

10:50-11:10 Coffee break Hall Lamour - Bât. 9

- 11:10-11:30 • **O4 - Host-expressed miRNAs modulate eclosion for sustainable control of *Panonychus citri***
Li CHUAN-ZHEN (*College of Plant Protection, Southwest University, Chongqing, China*)
- 11:30-11:50 • **O5 - Toxic effects of *Acmella oleracea* and *Carlina acaulis* extracts on *Aculops lycopersici*, *Tetranychus urticae* and their predators**
Ilaria MAROTTA (*Department of Agricultural, Food and Forestry Sciences, University of Palermo, Palermo, Italy*)
- 11:50-12:10 • **O6 - Plant-mediated effects of insect frass on herbivore performance in tomato**
Anastasia PANTELIDOU (*Democritus University of Thrace, Orestiada, Greece*)

12:30-14:00 Lunch & Coffee Hall Lamour - Bât. 9

Poster session 1

PARALLEL SESSIONS

14:00-17:40 Climate change, invasions and risk mitigation Amphi. Lamour - Bât. 9

Chairs: Edith ESTRADA & Lurdes BORGES SILVA

- 14:00-14:20 • **O1 - High temperatures intensify the detrimental effects of a sulphur-based fungicide on the survival of the predatory mites *Amblyseius andersoni* and *Typhlodromus pyri***
Manoj Kumar JENA (*Plant Protection, Institute of Horticultural Sciences, Warsaw University of Life Sciences, Warsaw, Mazowieckie, Poland*)
- 14:20-14:40 • **O2 - Influence of host plant water stress on the life history and behaviour of the spider mite *Tetranychus urticae* and its predator *Typhlodromus recki***
Alice CHARALABIDIS (*CBGP, Univ. Montpellier, Institut Agro Montpellier, INRAE, CIRAD, IRD, Montpellier, France*)
- 14:40-15:00 • **O3 - Thermal tolerance of the three species of predatory mites (Acari: Phytoseiidae) to enhance biological control of climate resilience in response to global warming**
Pattara OPADITH (*Dpt of Agriculture, The Ministry of Agriculture and Cooperatives, Chatuchak, Bangkok, Thailand*) ... /...

- 15:00-15:20 • **O4 - In a warming world: Temperature alters locomotor and predatory behaviour of polyphagous predatory mite *Amblyseius andersoni* (Acari: Phytoseiidae)**
Chenhao WANG (Laboratory of Ecological Information, Graduate School of Agriculture, Kyoto University, Kyoto, Japan)
- 15:20-15:40 • **O5 - The effects of climate change in *Raoiella indica* (Acari: Tenuipalpidae), unexpected distribution at high altitudes in Latinamerican Countries**
Edith Guadalupe ESTRADA-VENEGAS (Entomology and Acarology, Colegio de Postgraduados, Texcoco, Mexico, Mexico)
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- 16:00-16:20 **Coffee break** Hall Lamour - Bât. 9
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- 16:20-16:40 • **O7 - The current and future status of Acarology in British plant health biosecurity diagnostics**
Rowan HOWE (Fera Science Limited, York, United Kingdom)
- 16:40-17:00 • **O8 - Maternal effects mediate thermal response: Divergent performance between winter and summer egg-derived offspring in the spider mite *Schizotetranychus brevisetosus***
Katsura ITO (Laboratory of Insect Ecology, Faculty of Agriculture and Marine Science, Kochi University, Nankoku, Japan)
- 17:00-17:20 • **O9 - Spider mites in the Azores islands - Atlantic travelers and endemic diversity**
Lurdes BORGES SILVA (CBGP, INRAE, CIRAD, Institut Agro, IRD, Univ. Montpellier, Montpellier, France)
- 17:20-17:40 • **O10 - Invasive Mesostigmata and Ixodida of Australia: are detection patterns driven by taxonomic neglect?**
Helen NAHRUNG (Forest Research Institute, University of the Sunshine Coast, Brisbane, Queensland, Australia)
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- 14:00-17:40 **Systematics, morphological traits and biodiversity (4)** Amphi. 206 - Bât. 9
Chairs: Frédéric BEAULIEU & Juan B. MORALES-MALACARA
- 14:00-14:20 • **O23 - Phenotypic variability of Podothrombium (Acariformes: Parasitengona: Podothrombiidae) in peat bogs of the Western Sudety Mts**
Michał MARCINIAK (Department of Animal Biology and Ecology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland)
- 14:20-14:40 • **O24 - Discovery of a new pest mite species in Canada (Acari: Tetranychidae)**
Ivana MARIĆ (Lab. for Applied entomology, Institute for Pesticides and Environmental Protection, Belgrade-Zemun, Serbia)
- 14:40-15:00 • **O25 - New records of flat and peacock mites (Acari: Tetranychidae) from the Caucasus and Georgia**
Tea ARABULI (Institute of Zoology, Ilia State University, Tbilisi, Georgia)
- 15:00-15:20 • **O26 - The whirling mite (Anystis) and its doppelgangers: deciphering cryptic diversity in cosmopolitan vagrant species**
Frédéric BEAULIEU (Agriculture & Agri-Food Canada, Ottawa, Ontario, Canada)
- 15:20-15:40 • **O27 - Insect-associated mites of North Kerala, India: Host records and observed associations**
Sachin JAMES (PG and Research Department of Zoology, Malabar Christian College, Kozhikode, Kerala, India)
- 15:40-16:00 • **O28 - One species or a cryptic complex? An integrative analysis of Polyphagotarsonemus latus**
Gabriel OTERO-COLINA (Posgrado en Fitosanidad-Entomología y Acarología, Colegio de Postgraduados, Texcoco, Estado de Mexico, Mexico)
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- 16:00-16:20 **Coffee break** Hall Lamour - Bât. 9
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- 16:20-16:40 • **O29 - Fur chirodiscid mites (Sarcoptiformes: Chirodiscidae): permanent ectosymbionts associated with bats in Mexico**
Juan B. MORALES-MALACARA (Speleobiology and Acarology, UNAM, Campus Juriquilla, Santiago de Querétaro, QT, Mexico)
- 16:40-17:00 • **O30 - Towards resolving species boundaries among walnut gall mites (*Aceria* spp.) in Europe**
Tatjana CVRKOVIC (Department of Plant Pests, Institute for Plant Protection and Environment, Zemun, Serbia)
- 17:00-17:20 • **O31 - Eriophyoid mites associated with *Alnus glutinosa* in Türkiye**
Sebahat K. OZMAN-SULLIVAN (Dpt of Plant Protection, Faculty of Agriculture, Ondokuz Mayıs University, Samsun, Türkiye)
- 17:20-17:40 • **O32 - Diversity and distribution of Eriophyid mites (Acari: Eriophyoidea) in the coastal region of Syria**
Angham BOUBOU (Department of Plant Protection, Faculty of Agricultural Engineering, Latakia University (previously, Tishreen), Latakia, Syria)

14:00-17:40

Symposium 2 - Soil biodiversity and conservation

Amphi. 208 - Bât. 9

Chairs: Carlos BARRETO, Diana RUEDA-RAMÍREZ & Pedro CONCEIÇÃO

14:00-14:20

- **O1 - From lab to land: Using trait-based approaches at a European scale to translate soil mite data into land management advice**

Andrés A. SALAZAR-FILLIPPO (*Faculty of Science - Soil Biodiversity Group SoilScope, Charles University, Prague, Czechia*)

14:20-14:40

- **O2 - Understanding the value of Acari communities as indicators of forest soil quality**

Ainoa PRAVIA (*Physical Environment Group, Forest Research, Roslin, Midlothian, Scotland*)

14:40-15:00

- **O3 - Soil fauna monitoring for assessing soil quality in Austria – initial results and experiences**

Tobias PFINGSTL (*Department of Biology, University of Graz, Graz, Austria*)

15:00-15:20

- **O4 - Hidden diversity: The contribution of juveniles to the species and genetic diversity of mesostigmatid mites in peatlands using DNA barcoding**

Pedro CONCEIÇÃO (*Western University, London, Ontario, Canada*)

15:20-15:40

- **O5 - Trophic interactions of soil Mesostigmata mites: insights into soil food webs and biological control potential**

Diana RUEDA-RAMÍREZ (*Institute of Biology, Ecology group, Humboldt-Universität zu Berlin, Berlin, Germany*)

15:40-16:00

- **O6 - Agroecological practices shaping soil mite biodiversity in Mediterranean vineyards**

Thais Juliane DO PRADO (*CBGP, INRAE, CIRAD, IRD, Institut Agro Montpellier, University of Montpellier, Montpellier, France*)

16:00-16:20

Coffee break

Hall Lamour - Bât. 9

16:20-16:40

- **O7 - A synopsis of oribatid mite diversity in Africa**

Emelie OBI (*Dresden University of Technology, Dresden, Saxony, Germany*)

16:40-17:00

- **O8 - Oribatid mites from peatlands in the United States**

Carlos BARRETO (*Department of Biology, Algoma University, Sault Ste. Marie, Ontario, Canada*)

17:00-17:20

- **O9 - Canopy habitats as forest islands: study the effect of isolation and forest type on oribatid (Acari: Oribatida) species diversity**

Maka MURVANIDZE (*Tbilisi State University, Tbilisi, Georgia*)

17:20-17:40

- **O10 - Soil mites in Brazil: small in size, giants in diversity and importance**

Raphael CASTILHO (*Entomology and Acarology, Escola Sup. Agricultura Luiz de Queiroz (ESALQ), Universidade de São Paulo (USP), Piracicaba, São Paulo, Brazil*)

17:40-18:30

Poster session 1

Hall Lamour - Bât. 9

WEDNESDAY 22 JULY

PLENARY SESSION

09:00-09:45

PLENARY 3

- **KN-3 - Seeing like a machine: An introduction to deep learning for image analysis**
Jules VAN DE PUTTE (*Inrae, Montpellier, France*)
- **KN-4 - Computer vision for arthropod ecology: from community structure to interaction networks**
Philippe TIXIER (*Cirad, Montpellier, France*)

09:45-09:50

Room change

PARALLEL SESSIONS

09:50-10:50

Data-driven Acarology: IA and statistical modelling

Amphi. Lamour - Bât. 9

Chair: Jules VAN DE PUTTE

09:50-10:10

- **O1 - National-scale habitat suitability modelling for *Ixodes ricinus* in France: a biologically grounded machine-learning framework**
Quentin LAMBOLEY (*EPIMIM, ANSES, Maisons-Alfort, France*)

10:10-10:30

- **O2 - Biology and detection of damage associated with *Tarsonemus confusus* ewin in strawberry (*Fragaria × ananassa*) using a deep learning model**
Sandra Guadalupe GONZALEZ-DOMINGUEZ (*Entomology and acarology, Colegio de Postgraduados, Texcoco, México*)

10:30-10:50

- **Discussion**

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

11:10-12:30

Plants and mites relationships for biological control

Chair: George BROUFAS

11:10-11:30

- **O1 - Histological and biochemical studies of *Vigna unguiculata* (L.) leaves infected by the spider mite, *Tetranychus ludeni Zacher* (Acari: Tetranychidae)**
Thalakkattil Raghavan SOBHA (*Department, Farook College(Autonomous).Kozhikode, Calicut, Kerala, India*)

11:30-11:50

- **O2 - Infestation of *Tenuipalpus micheli* and its impact on Phenol and Photosynthetic efficiency in *Syzygium cumini***
P. PRABHEENA (*Zoology, The Zamorin's Guruvayurappan College, Kozhikode, Kerala, India*)

11:50-12:10

- **O3 - Intensity of *Eucalyptus* shade on the performance of *Aceria lantanae* (Cook), a biological control agent of *Lantana camara* L. (Verbenaceae) in South Africa**
Ludzula MUKWEVHO (*School of Biology and Environmental Sciences, Univ. of Mpumalanga, Mbombela, ZA, South Africa*)

12:10-12:30

- **O4 - Optimizing survival and field release of an eriophyid mite for the biological control of *Ailanthus altissima***
Mélanie TANNIERES (*USDA-ARS, European Biological Control Laboratory, Montferrier-sur-Lez, France*)

09:50-12:10

Mites as indicators of ecosystem sustainability (2)

Amphi. 206 - Bât. 9

Chairs: Lou TABARY & Thais Juliane DO PRADO

09:50-10:10

- **O6 - Influence of habitat type and soil parameters on oribatid mite diversity: evidence from selected ecosystems of Kerala, India**
Thalakkattil Raghavan SOBHA (*Department, Farook College(Autonomous).Kozhikode, Calicut, Kerala, India*)

10:10-10:30

- **O7 - Diversity and distribution of soil mite and nematodes communities in Scots Pine (*Pinus sylvestris* L.) forests across S-N European gradient**
Jacek KAMCZYC (*Poznań University of Life Sciences, Poznań, Poland*)

... / ...

10:30-10:50	• O8 - Porosphere as a biophysical buffer: how soil architecture, floristic and microclimatic dynamics shape mite communities in mountain meadows (Maiella National Park, Italy) Elena GAGNARLI (<i>Research Centre for Plant Protection and Certification, CREA-DC, Firenze, Italy</i>)	
10:50-11:10	Coffee break	Hall Lamour - Bât. 9
11:10-11:30	• O9 - Positive effects of plant diversification in an agroecological vineyard on overall Phytoseiidae diversity Lou TABARY (<i>CBGP, Univ. Montpellier, Institut Agro Montpellier, INRAE, CIRAD, IRD, Montpellier, France</i>)	
11:30-11:50	• O10 - From plants to predatory mites: vegetation diversification drives soil-dwelling Mesostigmata communities in a Mediterranean vineyard Lucas DUCROS (<i>CBGP, INRAE, Institut Agro Montpellier, CIRAD, IRD, Univ. Montpellier, Montpellier, France</i>)	
11:50-12:10	• O11 - Insights into the role of mites in the soil carbon dynamics in southern French vineyards under an agroecological gradient Thais Juliane DO PRADO (<i>CBGP, INRAE, CIRAD, IRD, Institut Agro Montpellier, Univ. of Montpellier, Montpellier, France</i>)	
09:50-12:10	Symposium 3 - Molecular and chemical interactions underpinning mite and tick control Chairs: Vojislava GRBIC & Takeshi SUZUKI	Amphi. 208 - Bât. 9
09:50-10:10	• O1 - Uncovering the complexity of the interaction between <i>Arabidopsis thaliana</i> and the two spotted spider mite <i>Tetranychus urticae</i> Vojislava GRBIC (<i>Western University, London, Ontario, Canada</i>)	
10:10-10:30	• O2 - From the genome sequence to commercial RNAi-based acaricide: 20 years of RNAi development in spider mites Miodrag GRBIC' (<i>Biology, University of Western Ontario, London, Ontario, Canada</i>)	
10:30-10:50	• O3 - Modulation of citrus host immunity mediated by volatiles emitted by the Two-spotted spider mite Pablo URBANEJA BERNAT (<i>Universitat Jaume I, Castellon de la Plana, Spain</i>)	
10:50-11:10	Coffee break	Hall Lamour - Bât. 9
11:10-11:30	• O4 - Altered host suitability: how mycorrhizal symbiosis and interspecific plant signaling suppress <i>Tetranychus urticae</i> infestations Victor FLORS (<i>Plant Immunity and biochemistry Laboratory, Biology, Biochemistry and Natural Sc, Universitat Jaume I, Castelló, Spain</i>)	
11:30-11:50	• O5 - Adaptation of an herbivorous arthropod to green tea plants by overcoming catechin defenses Takeshi SUZUKI (<i>Tokyo University of Agriculture and Technology, Tokyo, Japan</i>)	
11:50-12:10	• O6 - Targeting blood meal processing pathways in the poultry red mite, <i>Dermanyssus gallinae</i>, using RNA interference Naomi DEFTY (<i>Moredun Research Institute, Pentlands, Midlothian, Scotland</i>)	
12:30-14:00	Lunch & Coffee	Hall Lamour - Bât. 9
	Poster session 2	
SOCIAL EVENTS		
14:00	Visit of Montpellier city	Montpellier city
18:00	The exhibition's opening reception 'Mites, sentinels of life – A look at hidden biodiversity'	Jardin des Plantes (Botanical Garden) - Montpellier

THURSDAY 23 JULY

PLENARY SESSION

09:00-09:45

PLENARY 4

- **KN-5 - Pathogens: Medical biases and the symbiotic reality of tick microbiomes**
Olivier DURON (*Centre National de la Recherche Scientifique (CNRS), Montpellier, France*)

09:45-09:50

Room change

PARALLEL SESSIONS

09:50-10:30

Forensic

Amphi. Lamour - Bât. 9

Chair: Alejandra PEROTTI

09:50-10:10

- **O1 - Beyond minPMI: Mite life history as indicator of decomposition duration in a Forensic Case Study**
Henk BRAIG (*Institute and Museum of Natural Sciences, National University of San Juan, San Juan, Argentina*)

10:10-10:30

- **O2 - The investigation of *Poecilochirus* spp. (Mesostigmata, Parasitidae)**
Lucia ŠVECOVÁ (*Faculty of Natural Sciences, Comenius University in Bratislava, Bratislava, Slovakia*)

10:30-12:30

Ecology and behavior and life history traits (2)

Chairs: Keshi ZHANG & Owen SEEMAN

10:30-10:50

- **O10 - Interspecific variation in feeding behavior and cheliceral morphology among bryophyte-feeding species of *Eustigmaeus* (Trombidiformes: Stigmaeidae)**
Satsuki IKEDA (*Graduate School of Science, Kyoto University, Kyoto, Japan*)

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

11:10-11:30

- **O11 - An inverse Lansing effect: Older mothers produce offspring with improved development and growth efficiency**
Keshi ZHANG (*School of Biological Sciences, University of Auckland, Auckland, New Zealand*)

11:30-11:50

- **O12 - Characterizing circadian features in mites and ticks**
Adi KLIOT (*Plant Protection, Agricultural Research Institute, Rishon LeTzion, Israel*)

11:50-12:10

- **O13 - Silk-mediated queueing behavior in Cretaceous erythraeid mites**
Qiang XUAN (*Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences, Nanjing, China*)

12:10-12:30

- **O14 - The pros and cons of predatory mite larvae movement**
Yuka TERAMOTO (*Laboratory of Ecological Information, Kyoto University, Kyoto City, Japan*)

09:50-12:10

Mites as vectors of diseases in plants

Amphi. 206 - Bât. 9

Chairs: Sauro SIMONI & Tobiasz DRUCIAREK

09:50-10:10

- **O1 - Beyond Russeting: Re-evaluating integrated management of *Aculops lycopersici* as a primary vector of tomato fruit blotch virus**
Sauro SIMONI (*DC (Research centre for Plant Protection and Certification), CREA - Council for Agriculture Research and Economics, Firenze, Italy*)

10:10-10:30

- **O2 - Vector lineage matters: insights into wheat streak mosaic virus accumulation and transmission in the wheat curl mite complex**
Tobiasz DRUCIAREK (*Applied BioSciences, Macquarie University, Sydney, NSW, Australia*)

10:30-10:50

- **O3 - Effect of Wheat streak mosaic virus (Potyviridae) on population density of its eriophyoid vector, the wheat curl mite, in laboratory and greenhouse conditions**
Wiktoria SZYDŁO (*Center for Advanced Technologies, Adam Mickiewicz University, Poznań, Poznań, Poland*)

... / ...

10:50-11:10 **Coffee break** Hall Lamour - Bât. 9

- 11:10-11:30 • **O4 - Population fluctuation of *Acalitus essigi* and *Acalitus orthomerus* (Acari: Eriophyidae) associated with the disease known as redberry in blackberry**
Gabriel OTERO-COLINA (Posgrado en Fitosanidad-Entomología y Acarología, Colegio de Postgraduados, Texcoco, Estado de Mexico, Mexico)
- 11:30-11:50 • **O5 - Effect of mite density on acquisition and transmission of citrus leprosis virus by *Brevipalpus yotheri* and *B. californicus***
Rene GOMEZ-MERCADO (CE Valle de Mexicali, Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias, Coyoacán, Ciudad de México, Mexico)
- 11:50-12:10 • **O6 - Insights into the taxonomy of *Vitis*-Associated *Colomerus* (Eriophyidae) species through molecular phylogeny**
Mouna BEZZEZ (Institut français de la vigne et du vin, Le Grau-du-Roi, France)

09:50-12:30 **Ticks and mites: biological control for plants and animals (2)** Amphi. 208 - Bât. 9

Chairs: Markus KNAPP & Dominiek VANGANSBEKE

- 09:50-10:10 • **O6 - Prospecting soil-dwelling laelapid mites from French Mediterranean vineyards for the biological control of insect pests**
Thais Juliane DO PRADO (CBGP, INRAE, CIRAD, IRD, Institut Agro Montpellier, Univ. of Montpellier, Montpellier, France)
- 10:10-10:30 • **O7 - A neglected predator? The potential of *Gamasellodes lavafesii* (Ascidae) in nematode suppression**
Áyyla Régia DE ALBUQUERQUE BARROS (Koppert Brazil, Piracicaba, São Paulo, Brazil)
- 10:30-10:50 • **O8 - Efficacy of native and commercial populations of *Neoseiulus californicus* against *Phytonemus pallidus fragariae* on Albion, Monterey, and San Andreas strawberry cultivars**
Mete SOYSAL (Institute of Science, Ordu University, Ordu, Türkiye)

10:50-11:10 **Coffee break** Hall Lamour - Bât. 9

- 11:10-11:30 • **O9 - Enhancing the foraging efficiency of the predatory mite *Amblyseius largoensis* through conditioning with herbivore-induced plant volatiles**
Syed Usman MAHMOOD (Institute of Zoology, Guangdong Academy of Sciences, Guangzhou, Guangdong, China)
- 11:30-11:50 • **O10 - How to improve the establishment of iolinid predatory mites for the control of pests and diseases on tomato?**
Dominiek VANGANSBEKE (Biobest N.V., Westerlo, Belgium ; 2 Biodiversity Inventory for Conservation NPO (BINCO), Glabbeek, Belgium)
- 11:50-12:10 • **O11 - Complementarity in natural enemies for maximizing control against pests: habitat partitioning and life stage targeting**
Zhi-Qiang ZHANG (Manaaki Whenua Landcare Research Group, Bioeconomy Science Institute, Auckland, New Zealand)
- 12:10-12:30 • **O12 - Recent developments in the use of *Amblydromalus limonicus* as a biocontrol agent**
Markus KNAPP (Koppert B.V., Berkel en Rodenrijs, Netherlands)

12:30-14:00 **Lunch & Coffee** Hall Lamour - Bât. 9

Poster session 2

PARALLEL SESSIONS

14:00-17:40 **Ecology and behavior and life history traits (3)** Amphi. Lamour - Bât. 9

Chairs: Serge KREITER & Farid FARAJI

- 14:00-14:20 • **O15 - Mothers know best: spatial and nutritional limitations shape offspring performance in the predatory mite *Amblyseius herbicolus***
Yuzhi GONG (School of Biological Sciences, University of Auckland, Auckland, New Zealand)
- 14:20-14:40 • **O16 - Life-history traits and functional response of *Amblyseius andersoni* against major tomato pests**
George BROUFAS (Democritus University of Thrace, Department of Agricultural Development, Orestiada, Greece) ... / ...

- 14:40-15:00 • **O17 - Evaluation of three Phytoseiid mite species for the biological control of *Phytonemus pallidus* (Acari: Tarsonemidae) under laboratory conditions**
Serge KREITER (CBGP, Institut Agro Montpellier, INRAE, CIRAD, IRD, University of Montpellier, Montpellier, France)
- 15:00-15:20 • **O18 - Morphological adaptations of phytoseiid predatory mites (Acari: Mesostigmata) to overwintering sites**
Farid FARAJI (Acarology laboratory, Eurofins Mitox, Amsterdam, Netherlands)
- 15:20-15:40 • **O19 - How to deal with charging enemies: examining plant morphology based on the locomotion habits of spider mites**
Shuichi YANO (Lab. of Ecological Information, Kyoto University, Kyoto, Japan)
- 15:40-16:00 • **O20 - Maturation increases, but mating decreases the repeatability of activity in the predatory mite *Phytoseiulus persimilis***
Mustafa ALTINTAS (Bornova Plant Protection Research Institute, İzmir, Turkey)

Coffee break

Hall Lamour - Bât. 9

- 16:20-16:40 • **O21 - Grip disruption in *Varroa destructor*: Behavioural effects of arolia fluid alteration**
Caroline VILAREM (Centre de Recherche sur la Biodiversité et l'Environnement (CRBE), Toulouse University, CNRS, IRD, UMR5300, Toulouse, France)
- 16:40-17:00 • **O22 - Contrasting patterns of genetic diversity in cave-associated and surface-dwelling oribatid mites of the family Damaeidae**
Veronika PETROVOVÁ (Department of Zoology, Pavol Jozef Šafárik University in Košice, Košice, Slovakia)
- 17:00-17:20 • **O23 - Seasonal dynamics of species composition and trophic groups of mites of the family Tarsonemidae in a wild grass community in Western Siberia, Russia**
Kirill MASHKOV (Group of Acarology, Tyumen University, Tyumen, Tyumen Region, Russia)
- 17:20-17:40 • **O24 - *Aceria sheldoni* (Trombiformes: Eriophyidae): Methodology and epidemiology to improve control in South African citrus**
Caro KAPP (Department of Conservation Ecology and Entomology, Stellenbosch University, Stellenbosch, Western Cape, South Africa)
- 17:40-18:00 • **O25 - Population dynamics of predatory mites in different nursery ornamental plants from District Kasur and Faisalabad, Punjab, Pakistan**
Bilal Saeed KHAN (Department of Entomology, Faculty of Agriculture, University of Agriculture, Faisalabad, Punjab, Pakistan)

Ticks and mites: animal and human health risks

Amphi. 206 - Bât. 9

Chairs: Pavel KLIMOV & Fernando JACINAVICIUS

- 14:00-14:20 • **O1 - Emergence of *Hyalomma lusitanicum* in Southeastern France and Crimean-Congo hemorrhagic fever virus risk assessment**
Guillaume VELUT (French Armed Forces Center for Epidemiology and Public Health, French Armed Forces Health Service, Marseille, France)
- 14:20-14:40 • **O2 - Evolutionary origins of allergenicity in house dust mites (Acari: Pyroglyphidae)**
Pavel KLIMOV (Purdue University, West Lafayette, Indiana, USA)
- 14:40-15:00 • **O3 - Iron metabolism proteins Tsf and IRP regulate reproduction and development in *Haemaphysalis longicornis* through multi-pathway mechanisms**
Duo WANG (Ministry of Education Key Laboratory of Molecular and Cellular Biology, Shijiazhuang, China)
- 15:00-15:20 • **O4 - Ticks in the city : assessing risk exposure to *Borrelia spirochetes* in urban green spaces in a context of urban greening**
Magalie RENÉ-MARTELLET (UMR EPIA, VETAGRO SUP, Marcy l'Etoile, France)
- 15:20-15:40 • **O5 - *Varroa* infestation rates in southeast Romanian apiaries and their correlation with beekeeping practices**
Laura Mihaela STEFAN (Department of Cellular and Molecular Biology, National Institute of Research and Development for Biological Sciences, Bucharest, Romania)
- 15:40-16:00 • **O6 - Integrating population genomics and microbial metagenomics of the lone star tick, an expanding arthropod disease vector in the United States**
Javier MONZON (Natural Science Division, Pepperdine University, Malibu, California, United States)

... / ...

16:00-16:20	Coffee break	Hall Lamour - Bât. 9
16:20-16:40	• O7 - Clinical surveillance of tick-bite cases and ecological background of <i>Amblyomma testudinarium</i> biting in satoyama landscapes of northern Kanto, Japan Mizuho SHIMADA (<i>Japan Red Cross Ashikaga Hospital, Ashikaga, Tochigi, Japan</i>)	
16:40-17:00	• O8 - Current knowledge of the acarofauna parasitizing reptiles in Oman Radek BAĐURA (<i>Department of Biology & Wildlife Diseases, University of Veterinary Sciences Brno, Palackého, Brno, Czechia</i>)	
17:00-17:20	• O9 - Cas9-mediated gene editing in the black-legged tick, <i>Ixodes scapularis</i>, by embryo injection and ReMOT Control Monika GULIA-NUSS (<i>Biochemistry, Molecular Biology, and Biotechnology, University of Nevada, Reno, NV, USA</i>)	
17:20-17:40	• O10 - Urbanization modifies infestation intensity but not prevalence of Pterygosomatid mites in the moorish gecko (<i>Tarentola mauritanica</i>) Jalal MOUADI (<i>Laboratory Biodiversity and Ecosystem Functioning, Faculty of Sciences, Ibn Zohr University, Agadir, Morocco</i>)	
14:00-17:20	Ticks and mites: biological control for plants and animals (3) Chairs: Enrico DE LILLO & Gilberto DE MORAES	Amphi. 208 - Bât. 9
14:00-14:20	• O13 - Biocontrol efficacy and application strategies of two predatory mites for pest control Endong WANG (<i>Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, China</i>)	
14:20-14:40	• O14 - Predatory potential of <i>Amblyseius rademacheri</i> (Mesostigmata: Phytoseiidae) as a biological control agent against thrips: A comparative study with <i>A. swirskii</i> Shogo USUGI (<i>Laboratory of Ecological Information, Graduate School of Agriculture, Kyoto University, Kyoto-shi, Kyoto-fu, Japan</i>)	
14:40-15:00	• O15 - Biological Control of <i>Tetranychus evansi</i> using predatory insects and mites in New Zealand Lanjing LI (<i>School of Biological Sciences, University of Auckland, Auckland, New Zealand</i>)	
15:00-15:20	• O16 - Effectiveness of above- and below-ground predators in controlling the invasive <i>Thrips parvispinus</i> Alexandra SIERRA (<i>IBED, University of Amsterdam, Amsterdam, Netherlands</i>)	
15:20-15:40	• O17 - Chromosome-level genome assembly and comparative analysis of two commercial phytoseiid mites, <i>Phytoseiulus persimilis</i> and <i>Neoseiulus californicus</i> Bo ZHANG (<i>State Key Laboratory for Biology of Plant Diseases and Insect Pests, Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, China</i>)	
15:40-16:00	• O18 - From twig to potential product: <i>Thyreophagus berxi</i> as factitious food source for mass production of predatory mites Jonas MERCKX (<i>R&D, Biobest Belgium N.V., Westerlo, Belgium</i>)	
16:00-16:20	Coffee break	Hall Lamour - Bât. 9
16:20-16:40	• O19 - Do spider mites avoid alternative foods for predators? Rei AKAEDA (<i>Lab. of Ecological Information, Dep. of Agriculture, Kyoto Univ., Kyoto City, Japan</i>)	
16:40-17:00	• O20 - Application of arthropod pathogenic fungi against <i>Phytoptus avellanae</i> s. l. Enrico DE LILLO (<i>Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti, University of Bari Aldo Moro, Bari, Italy</i>)	
17:00-17:20	• O21 - Evaluation of the predatory soil mite <i>Blattisocius mali</i> as a biocontrol agent of the acarid mite <i>Tyrophagus putrescentiae</i> infesting stored flower bulbs Manoj Kumar JENA (<i>Department of Plant Protection, Institute of Horticultural Sciences, Warsaw University of Life Sciences, Warsaw, Mazowieckie, Poland</i>)	
19:30	Bus departure	Institut Agro Montpellier
20:00	Congress dinner	Domaine des Moures - Villeneuve-lès-Maguelone

FRIDAY 24 JULY

PLENARY SESSION

09:00-09:45

PLENARY 5

- **KN-6 - Unraveling mite origins amid the controversy over chelicerate evolution**
Samuel BOLTON (*Florida State Collection of Arthropods, Gainesville, United States*)

09:45-09:50

Room change

PARALLEL SESSIONS

09:50-12:10

Chemical control and resistance

Amphi. Lamour - Bât. 9

Chairs: Anastasia TSAGKARAKOU & Joseane MOREIRA DO NASCIMENTO

09:50-10:10

- **O1 - First molecular screening of acaricide resistance in *Tetranychus urticae* Koch (Acari: Tetranychidae) greenhouse populations of Serbia**
Luka STOJANOVIĆ (*Laboratory of Applied Entomology, Institute of Pesticides and Environmental Protection, Belgrade, Serbia*)

10:10-10:30

- **O2 - Resistance of the *Rhipicephalus microplus* tick in Réunion Island**
Marlene DUPRAZ (*UMR ASTRE, CIRAD, Sainte Clotilde, Réunion*)

10:30-10:50

- **O3 - Field evaluation of a novel cattle tick control strategy aiming a reduced selection for drug resistance: a case for "host-level chemical mosaic"**
Jose RECK (*Instituto de Pesquisas Veterinárias Desiderio Finamor (IPVDF), Eldorado do Sul, RS, Brazil*)

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

11:10-11:30

- **O4 - Resistance dynamics and spider mite diversity in ontario production systems**
Joseane MOREIRA DO NASCIMENTO (*Department of Biology, Grbić Lab, University of Western Ontario, London, Ontario, Canada*)

11:30-11:50

- **O5 - Acaricide resistance in the african red mite, *Eutetranychus africanus* (Tucker), infesting tangerine in Thailand**
Naphacharakorn TA-PHAISACH (*Entomology and Zoology Group, Plant Protection Research and Development Office, Department of Agriculture, Bangkok, Thailand*)

11:50-12:10

- **O6 - Cross-resistance spectra and sequential reselection for multi-class pesticide resistance in the predatory mite *Amblyseius swirskii* (Acari: Phytoseiidae)**
Ceren DOGAN (*Bursa Uludag University, Graduate School of Natural and Applied Science, Bursa, Turkey*)

09:50-12:30

Evolution, biogeography and functional genomics (2)

Amphi. 206 - Bât. 9

Chairs: Tobias PFINGSTL & Monika GULIA-NUSS

09:50-10:10

- **O8 - Strong conditional female sterility within a herbivorous mite species**
Margarita SPIRINA (*Department of Biology, Ghent University, Ghent, Belgium*)

10:10-10:30

- **O9 - Snapshots of Oribatid Speciation I – Rise, fall, and persistence – Ice age island dynamics and intertidal oribatid diversity in the Ryukyu Archipelago, Japan**
Satoshi SHIMANO (*Hosei University, Tokyo, Japan*)

10:30-10:50

- **O10 - Snapshots of Oribatid Speciation II – Resolving a taxonomic nightmare – Plate tectonics and intertidal oribatid diversification in the tropical Caribbean**
Tobias PFINGSTL (*Department of Biology, University of Graz, Graz, Austria*)

10:50-11:10

Coffee break

Hall Lamour - Bât. 9

... / ...

- 11:10-11:30 • **O11 - Drivers of mitochondrial introgression across *Tetranychus* species**
Lennert BEELE (*Biology Department, Ghent University, Gent, Belgium*)
- 11:30-11:50 • **O12 - Comparative proteomics reveals a highly ordered glycine-rich protein correlating with dense communal silk webs in the gorse spider mite, *Tetranychus lintearius***
Lin WANG (*Graduate School of Bio-Applications and Systems Engineering@BASE, Tokyo University of Agriculture and Technology (TUAT), Koganei, Tokyo, Japan*)
- 11:50-12:10 • **O13 - A single PLAT domain protein couples reproductive arrest and carotenoid pigmentation during diapause in the two-spotted spider mite, *Tetranychus urticae* Koch**
Rismayani RISMAYANI (*Graduate School of Bio-Applications and Systems Engineering (BASE), Tokyo University of Agriculture and Technology (TUAT), Koganei, Tokyo, Japan*)
- 12:10-12:30 • **O14 - Molecular and epigenetic mechanisms underlying cold adaptation in *Haemaphysalis longicornis***
Zhijun YU (*Hebei Key Laboratory of Animal Physiology, Biochemistry and Molecular Biology, College of Life Sciences, Hebei Normal University, Shijiazhuang, Hebei, China*)

09:50-12:10 **Symposium 4 - Bringing Acarology Closer to Society: Open Science, Knowledge Transfer, and Citizen Science** *Amphi. 208 - Bât. 9*

Chairs: Denise NAVIA & Pedro NAVES

- 09:50-10:10 • **O1 - Mapping brazilian acarological biodiversity: the taxonomic catalogue of the brazilian fauna as a tool for knowledge and outreach**
Fernando JACINAVICIUS (*Instituto de Biologia, Universidade Estadual de Campinas, Campinas, SP, Brazil*)
- 10:10-10:30 • **O2 - A transdisciplinary social-ecological approach to evaluate and anticipate 'Tick Risk' in Southern France**
Ilyonna ZORTMAN (*ASTRE/BIOS, CIRAD, Montpellier, France*)
- 10:30-10:50 • **O3 - Engaging Citizen-Scientists to a garden-experiment with a quarantine regulated mite pest**
Pedro NAVES (*INIAV, Oeiras, Portugal*)

10:50-11:10 **Coffee break** *Hall Lamour - Bât. 9*

- 11:10-11:30 • **O4 - Spider Mites Web: An assessment 20 years later**
Alain MIGEON (*CBGP, INRAE, CIRAD, IRD, Institut Agro, Univ. Montpellier, Montpellier, Montferrier-sur-Lez, France*)
- 11:30-11:50 • **O5 - Knowledge, attitudes and practices (KAP) regarding tick-borne zoonoses among peri-urban cattle farmers in Burkina Faso and Benin: A One Health perspective**
Tidjani A. DJIMAN (*Research Unit of Epidemiology and Risk Analysis Applied to Veterinary Sciences, Faculty of Veterinary Medicine, University of Liege, Liège, Belgium*)
- 11:50-12:10 • **O6 - What can iNaturalist tell us about mites on insects?**
Owen SEEMAN (*Acarology Australia, Brisbane, QLD, Australia*)

12:30-14:00 **Lunch & Coffee** *Hall Lamour - Bât. 9*

PLENARY SESSIONS

14:00-15:00 **Reward ceremony** *Amphi. Lamour - Bât. 9*

15:00-15:30 **Closing ceremony**

- Organizers