



**10<sup>th</sup> International Symposium on Syrphidae**  
**8th - 12th September 2019**  
**Lesvos, Greece**



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PROGRAMME

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**SUNDAY 8<sup>TH</sup> SEPTEMBER 2019**

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**16:00 – 18:00** Arrival / Registration at the front desk

**18:00** Welcome drink

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**MONDAY 9<sup>TH</sup> SEPTEMBER 2019**

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**07:30** Bus pick-up point 1

**07:45** Bus pick-up point 2

**08:00 – 08:30** Opening/Registration

**8:30 – 8:45** Opening address

**08:45 – 09:30** Plenary talk, Martin Speight

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**SESSION 1. SYSTEMATICS AND TAXONOMY**

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Chairs: **Mírian N. Morales, John T. Smit**

**09:30 – 09:45** Ante Vujić\*, Snežana Radenković, Mihajla Đan, Jelena Ačanski & Ljiljana Šašić Zorić: The future of integrative taxonomy in hoverflies

**09:45 – 10:00** Jordaens Kurt\*, Georg Goergen, Jeffrey H. Skevington, Scott Kelso & Marc De Meyer: A taxonomic revision of Afrotropical *Mesembrius* (Diptera, Syrphidae)

**10:00 – 10:45** Coffee break

**10:45 – 11:00** Snežana Radenković\*, Ante Vujić, Dragana Obreht Vidaković, Mihajla Đan, Dubravka Milić, Sanja Veselić, Gunilla Ståhls & Theodora Petanidou: *Merodon rufus* group (Diptera, Syrphidae) – recent vicariance in South-East Europe

**11:00 – 11:15** Antonio Ricarte, Zorica Nedeljković\* & M<sup>a</sup> Ángeles Marcos-García: A preliminary revision of the Spanish *Chrysotoxum* Meigen and *Xanthogramma* Schiner hoverflies (Diptera: Syrphidae)

**11:15 – 11:30** Short break

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**SESSION 2. FAUNISTICS, BIOGEOGRAPHY, BIODIVERSITY ASSESSMENT AND CONSERVATION**

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Chairs: **Jeroen van Steenis, Grigory Popov**

**11:30 – 11:45** Axel Ssymank\*: Hoverflies (Diptera: Syrphidae) in dry subcontinental steppic grassland in Thuringia (Germany)

**11:45 – 12:00** Wouter van Steenis\*: The Syrphidae of the Netherlands, 10 years later

**12:00 – 12:15** Leendert-Jan van der Ent\*: Comparison of country specific with official IUCN Red List criteria: an example from hoverflies the Netherlands

**12:15 – 12:30** Marina Janković\*, Marija Miličić, Jelena Ačanski, Snežana Popov & Ante Vujić: Hoverflies of Serbia: What suits them better – Protected Areas or Prime Hoverfly Areas?

**12:30 – 14:30** Lunch



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- 14:30 – 14:45 Bärbel Koch\*, Lucia Pollini Paltrinieri & Isabella Forini-Giacalone:** One-year survey of the syrphid fauna in three wooded areas in the Canton of Ticino, Switzerland
- 14:45 – 15:00 Sander Bot\*, Ximo Mengual & André Reimann:** The hoverflies of Georgia
- 15:00 – 15:15 Valerii Mutin\*:** The hoverflies of Silinskii Park (Komsomolsk-na-Amure, Russia)
- 15:15 – 15:30 Anatolij V. Barkalov:** Preliminary list of the hoverflies (Diptera, Syrphidae) of Republic of Tajikistan
- 15:30 – 16:00 Coffee break**
- 16:00 – 16:15 John M. Midgley\* & Kurt Jordaens:** A preliminary checklist of Syrphidae from South Africa
- 16:15 – 16:30 Kurt Jordaens\*, James Peter Egonyu, Ximo Mengual, Menno Reemer, Jeffrey H. Skevington & Gunilla Ståhls:** Towards a checklist of the Syrphidae (Diptera) of Uganda
- 16:30 – 16:45 John T. Smit\*, Theo Zeegers, Martin Hauser, Jeroen van Steenis & Phurpa Dorji:** Preliminary checklist of the hoverflies of the Kingdom of Bhutan (Diptera: Syrphidae)
- 16:45 – 17:00 Augusto León Montoya Giraldo\*:** Origin, diversity and endemism of the Neotropical Syrphidae: implication for conservation of rare and threatened genera
- 17:00 – 17:15 Augusto León Montoya Giraldo\* & F. Chris Thompson:** The flower flies genus *Tuberculanostoma* Fluke as flagship entities for the conservation of Páramo ecosystems in Tropical Andes
- 17:15 – 18:00 Poster session 1 (posters 1–12)**
- 18:10 Bus pick-up point 3 (return to hotels)**

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**TUESDAY 10<sup>TH</sup> SEPTEMBER 2019**

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- 08:00 Bus pick-up point 1**
- 08:15 Bus pick-up point 2**
- 08:30 – 09:00 Opening**

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**SESSION 3. BIOLOGY, ECOLOGY AND INTEGRATED PEST MANAGEMENT**

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Chairs: **Francis Gilbert, Santos Rojo**

- 09:00 – 09:15 Marija Miličić\*, Tamara Jurca, Snežana Popov, Marina Janković, Pedro Cardoso, Jelena Ačanski & Ante Vujić:** Identifying hoverfly functional groups in Southeast Europe in response to different land cover types
- 09:15 – 09:30 Ximo Mengual\*, Chong Chin Heo, Rahimi Razuin, M. Shahirul Isa, Syameem Zainal, Nabihah Khofar & Wasi Ahmad Nazni:** First record of *Eristalinus arvorum* (Fabricius, 1787) in human corpse
- 09:30 – 09:45 Brigitte Howarth\* & Roxanne Whelan:** Long-term Malaise Trap Monitoring of Seasonal Variation, Species Abundance and Evenness of Syrphidae in a Hajar Mountain Wadi Ecosystem (UAE: Wadi Qinan, Ras Al Khaimah)
- 09:45 – 10:00 Andrea Aracil\*, Jelena Ačanski, Celeste Pérez-Bañón, Marija Miličić, Andrés Campoy, Snežana Radenković, Ante Vujić, Predrag Radišić, Branko Škoparija, Gunilla Ståhls & Santos Rojo:** Biology, ecology and pre-imaginal stages morphology of the new species framed in the *Merodon planifacies* Bezzi, 1915 species complex: *M. capi* and *M. roni* (Diptera: Syrphidae)
- 10:00 – 10:45 Coffee break**
- 10:45 – 11:00 Andrés Campoy\*, Olga Egea-Casas, Celeste Pérez-Bañón & Santos Rojo:** The effect of cold temperature on the pupal development of two pollinator species: *Eristalinus aeneus* (Scopoli, 1763) and *Eristalis tenax* (Linnaeus, 1758)



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**11:00 – 11:15** **Mírian N. Morales\***, Ana Paula Nascimento da Silva, Anna Mara F. Maciel, Carlos E. S. Bezerra, Brígida Souza, Marcel G. Hermes, Celeste Pérez-Bañón & Santos Rojo: Life history of *Allograpta exotica* (Diptera, Syrphidae) fed on *Myzus persicae* (Hemiptera: Aphididae) under laboratory conditions

**11:15 – 11:30** **Ximo Mengual\*** & **Andreas Fleischmann**: New biological information on *Toxomerus basalis* (Walker, 1836), the sundew flower fly

**11:30 – 11:45** **Gabriel J. Souba-Dols\***, **Antonio Ricarte** & **M<sup>a</sup> Ángeles Marcos-García**: Trophic regimes and biology of the *Merodon* Meigen hoverflies from a Mediterranean ecosystem in Spain

**11:45 – 12:00 Short break**

**12:00 – 12:15** **María Inés Lillo\***, **Celeste Pérez-Bañón** & **Santos Rojo**: Life cycle and fertility parameters of *Eupeodes corollae* (Fabricius, 1974), fed on the aphid *Myzus persicae* (Sulzer, 1776)

**12:15 – 12:30** **Kevin M. Moran\*** & **Jeffrey H. Skevington**: Mimicry in the subtribe Criorhinina (Diptera: Syrphidae: Eristalinae)

**12:30 – 14:30 Lunch**

**14:30 – 14:45** **Klára Daňková\***, **Antonín Hlaváček**, **Lukáš Janošík**, **Jiří Hadrava** & **Karin Nordström**: Mimicry versus thermoregulation: Experimental study

**14:45 – 15:00** **Lidia Sáez\***, **Celeste Pérez-Bañón**, **Ronald Driessen** & **Santos Rojo**: Use of different species of syrphids as commercial pollinators in celery crops (*Apium graveolens* var. *rapaceum* and *Apium graveolens* var. *dulce*) under greenhouse conditions

**15:00 – 15:15** **Sarah Gabel\***, **Blanaid White** & **Jane Stout**: The interactions of aphidophagous Syrphids in Irish cereal crop landscapes

**15:15 – 15:30** **Grigory Popov\*** & **Ruslan Mishustin**: The bulb hoverflies of the *Merodon constans* group inhabit in the snowdrops

**15:30 – 15:45** **Augusto León Montoya Giraldo\*** & **Marta Wolff E.**: Composition and phenology of flower flies (Diptera: Syrphidae) in high Andean ecosystems of north-western Colombia

**15:45 – 16:15 Coffee break**

**16:15 – 17:00 Poster session 2 (posters 13–24)**

**17:40 Bus pick-up point 3 (return to hotels)**

**19:10 Bus pick-up point 1**

**19:25 Bus pick-up point 2**

**19:35 Bus pick-up point 3**

**20.00 Symposium Dinner**

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**WEDNESDAY 11<sup>TH</sup> SEPTEMBER 2019**

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**08:00 Bus pick-up point 1**

**08:15 Bus pick-up point 2**

**08:30 – 09:00 Opening**

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**SESSION 4. PHYLOGENETICS AND DNA BARCODING**

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Chairs: **Gunilla Ståhls**, **Ximo Mengual**



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**9:00 – 9:15 Jeffrey H. Skevington\*, Kevin M. Moran, Andrew D. Young, Ximo Mengual, Trevor Burt, Scott Kelso, Kurt Jordaens, Gunilla Ståhls, Sander Bot, Martin Hauser, Jeroen van Steenis, Gil Felipe Gonçalves Miranda, Marc De Meyer, Axel Ssymank, Wouter van Steenis, Menno van Zuijen, Valerii Mutin, Menno Reemer, Michelle M. Locke, Anatolij V. Barkalov, Mírian N. Morales, Ante Vujić, Chris Palmer, Katsuyoshi Ichige, Maarten de Groot & Jackson Eyres:** Phylogeny of Eristalinae using target enrichment data

**09:15 – 09:30 Francis Gilbert\*, Alice Leavey & Tom Reader:** The phylogeny of wasp mimicry in the Syrphidae

**09:30 – 09:45 Gunilla Ståhls\*, Ljiljana Šašić Zorić, Laura Likov, Snežana Radenković, Sander Bot & Ante Vujić:** MtDNA COI barcode variability of species of subgenus *Taeniocheilosia* (Syrphidae: Cheilosia)

**09:45 – 10:00 Ximo Mengual\*, Guillermo P. López-García, Menno Reemer & Guillermo Debandi:** New information on *Microdon bruchi* Shannon, 1927 (Diptera, Syrphidae): taxonomy, DNA barcodes, morphology of third-instar and first record in ant nests inside plants of *Vitis vinifera* L. from Argentina

**10:00 – 10:15 Nevena Veličković\*, Mihajla Đan, Lea Kurtek, Axel Ssymank, Snežana Radenković & Ante Vujić:** Molecular characterisation of the species within the genus *Platynochaetus* Wiedemann (Diptera: Syrphidae) in the Western Mediterranean

**10:15 – 11:00 Coffee break**

**11:00 – 11:15 Ljiljana Šašić Zorić\*, Gunilla Ståhls, Mihajla Đan & Ante Vujić:** Unexpectedly high COI divergence between Balkan and Anatolian lineages of *Merodon ambiguus* and *Merodon sapphous* (Diptera, Syrphidae)

**11:15 – 11:30 Isabel C. Kilian Salas\*, Katharina Kurzrock, Stephanie S. Swenson, Axel Ssymank, W.J. Wägele, Andrée Hamm, Ralph S. Peters, Birgit Gemeinholzer & Ximo Mengual:** Assessing the role of Syrphidae as potential pollinators in agro-ecosystems via DNA-metabarcoding

**11:30 – 11:45 Jiří Hadrava\*, Ximo Mengual, Jeffrey H. Skevington, Kevin Moran, Scott Kelso, Claudia Etzbauer & Jan Klečka:** Phylogeny of genus *Temnostoma* Le Peletier & Serville, 1828

**11:45 – 12:00 Antonia Chroni\*, Milimir Stefanović, Mihajla Đan, Ante Vujić, Ljiljana Šašić Zorić, Nataša Kočiš Tubić & Theodora Petanidou:** A methodological framework for inferring spatial genetic patterns: the case of the genus *Eumerus* (Diptera: Syrphidae) in the Mediterranean

**12:00 – 12:15 Anooj Sainulabdeen Sulaikha\* & Krishna Gopinathan Kumar:** Morphological and molecular analysis reveals a new Microdontinae (Diptera: Syrphidae) species from India

**12:30 – 14:30 Lunch**

**14:30 – 15:30 Open discussion – closing remarks**

**15:30 – 16:30 Coffee break**

**16:45 IUCN Presentation**

**18:00 Bus pick-up point 3 (return to hotels)**

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**THURSDAY 12<sup>TH</sup> SEPTEMBER 2019**

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**07:30 Bus pick-up point 1**

**07:45 Bus pick-up point 2**

**08:00 Bus pick-up point 3**



**EXCURSION**

Time	Arrival	Departure
7.30	Bus pick-up point 1	7.30
7.45	Bus pick-up point 2	7.45
8.00	Bus pick-up point 3	8.00
8.40	Salt pans and wetlands of Kalloni	9.10
10.40	Petrified Forest (via Vatousa) - Sigri	13.30
14.10	Skala Eressou	
14.20	Lunch at Skala Eressou	16.20
18.00	Bus pick-up point 2	18.10
18.20	Bus pick-up point 3	18.20
18.35	Bus pick-up point 1	

**MAP WITH BUS PICK-UP POINTS**

