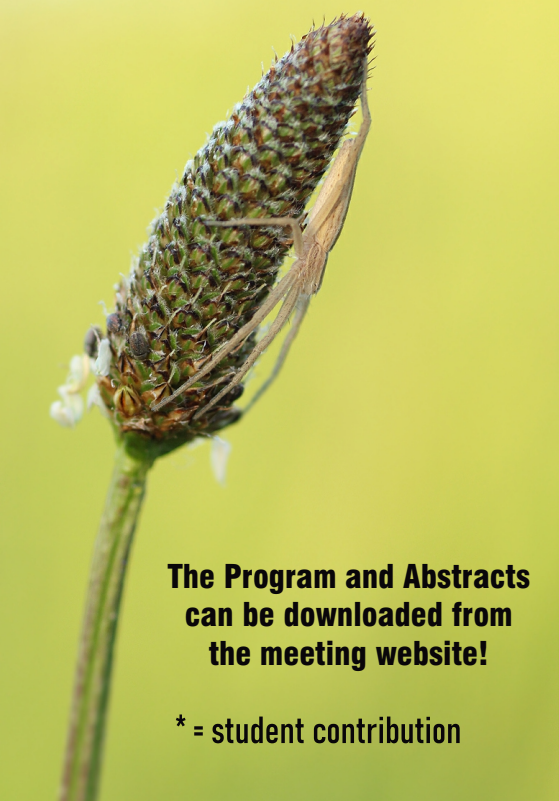


# Pocket Guide



The Program and Abstracts  
can be downloaded from  
the meeting website!



\* = student contribution

Sunday   4 September			
12 <sup>30</sup>		Registration	22 <sup>00</sup>
13 <sup>15</sup>		<i>Latrodectus</i> Symposium	18 <sup>00</sup>
18 <sup>00</sup>		Welcome Reception	22 <sup>00</sup>

Monday   5 September			
8 <sup>45</sup>		Welcome address	H3/4
9 <sup>00</sup>		Plenary talk   Kasey Fowler-Finn Harvestmen mating dynamics across variable social and ecological contexts	Chair: G. Uhl
10 <sup>00</sup>		Coffee break	
	H4	Behavior	H3
		Chair: S. Kralj-Fiser	Chair: C. Muster
10 <sup>30</sup>	Beydizada* & Pekár	Zarikian & Dilbaryan	
	Personality predicts mode of attack in a generalist ground spider predator	Spiders diversity (Arachnida: Araneae) in the Northern forests of Armenia	
10 <sup>45</sup>	ter Haar* et al.	Řezáč	
	Male vibratory courtship does not affect female predatory behaviour in the cursorial spider, <i>Pisaura mirabilis</i>	Spiders newly observed in Czechia in recent years – overlooked or invasive species?	
11 <sup>00</sup>	Parthasarathy et al.	Nicolosi* et al.	
	Hunger and not personality determines task participation in a spider society	Alien arachnids in caves	
11 <sup>15</sup>	Joel et al.	Tahir	
	Analysis of prey handling reveals an unsuspected use of cribellate nanofibers	Biodiversity of spiders from the cotton growing areas of Punjab, Pakistan	
11 <sup>30</sup>	Bartos	Vasiliev*	
	Deflective patterns through the eyes of a jumping spider	Araneofauna in the Republic of Moldova: past and future	
11 <sup>45</sup>	De Agrò	Arvidsson* & K. Birkhofer	
	Antero-lateral eyes input reverses the response to biological motion in a jumping spider	Assembly processes in spider communities from the Swedish Malaise Trap Project	
12 <sup>00</sup>		Lunch break (self-organised)	
	H4	Evolutionary Biology	H3
		Chair: J. Schneider	Chair: M.A. Arnedo
14 <sup>00</sup>	Kralj-Fišer et al.	Harms et al.	
	Sex-specific body size architecture explains the evolution of sexual-size dimorphism	BIO-GEEC: The German-Ecuadorian Biodiversity Consortium. A new era of biodiversity (and spider) research?	
14 <sup>15</sup>	Hendrickx et al.	Framenau & Metzner	
	A masculinizing supergene underlies the male dimorphism of <i>Oedothorax gibbosus</i>	The Fauna Portal Australia - a web-based diagnostic platform documenting undescribed species	
14 <sup>30</sup>	Jäger	Vanthournout et al.	
	„Love bites“ in Sparassidae Bertkau 1872—more usual than thought?	SPIN-CITY*: can spiders adapt to city living?	
14 <sup>45</sup>	Lee*	Gloriková* et al.	
	Evaluating existence of female pre-existing biases for novel visual traits in nocturnal arthropods	<i>Atypus karschi</i> Dönitz, 1887 (Araneae: Atypidae): an Asian purse-web spider established in Pennsylvania, USA	
15 <sup>00</sup>	Connolly*	Hörweg et al.	
	Monogyny and introgression in New Zealand fishing spiders ( <i>Dolomedes</i> )	Dangerous arachnids in war: how to better protect soldiers of the Austrian Armed Forces in Africa from scorpions, spiders and ticks!	

15 <sup>15</sup>	Sharma et al.	Kuriakattil Baby* & Ambalaparambil Vasu	
	Discovering the developmental genetic basis for chelicera fate specification and postembryonic sexual dimorphism	Seasonal dynamics in the diversity of long jawed spiders (Araneae: Tetragnathidae) in Wayanad Wildlife Sanctuary of Western Ghats, India	
15 <sup>30</sup>		Coffee break	
	H4	Evolutionary Biology	H3
		Chair: T. Bilde	Chair: C. Hörweg
16 <sup>00</sup>	Ramírez et al.	Johnson, Ji* et al.	
	The diversity and evolution of spider spinning organs	Forest refugia of the Western Ghats of India – a ‘museum’ of ancient pseudoscorpion lineages	
16 <sup>15</sup>	Wolff et al.	Hlebec* & Harms	
	Repeated evolution of extreme locomotor performance independent of changes in web use in Austral brown spiders (Amaurobioidea/Dictynoidea)	Biodiversity patterns of pseudoscorpions in the Dinaric Karst	
16 <sup>30</sup>	Adrián Serrano* et al.	Ambalaparambil Vasu & Neisseril Anirudhan	
	Good things come in small packages: Exploring the potential of Low-coverage genome sequencing for evolutionary research in spiders	Community structure of spiders in the Indian Thar desert	
16 <sup>45</sup>	Liznarova et al.	Machač et al.	
	Evolution of genome size and DNA base composition in entelegyne spiders	Under the hoofs of herds: spiders and harvestmen of two grazing reserves in the Czechia	
17 <sup>00</sup>	Ortiz et al.	Mowery et al.	
	Museumics and the evolution of color and size in <i>Zodariion</i> ant-eating spiders	Endosymbiont diversity across native and invasive brown widow spider populations	
17 <sup>15</sup>	Kulkarni & Sharma (online)	Mathilakathi Dasan* et al.	
	Nailing the horseshoe: Reconciliation of Xiphosura gene and species trees reveals ancient hybridization as driver of whole genome duplication	Guild structure analysis of spiders in different habitats of Thar desert	
19 <sup>00</sup>		Poster Session	
	Poster 01: Amiar et al.	Poster 10: Gloriková* et al.	
	A comparison of two widely-used methods for estimating taxonomic and functional diversities of spiders in some temperate grasslands	Attraction or repelling effects of commercial plant essential oils on the synanthropic <i>Cheiracanthium mildei</i> (Araneae: Cheiracanthiidae)	
	Poster 02: Apple et al.	Poster 11: Gravesen et al.	
	Natural history and genetic variation of an introduced European ant-mimicking spider, <i>Myrmarchne formicaria</i> , in western New York	DNA barcoding of <i>Oreoneta frigida</i> (Thorell 1872) individual from Greenland shows close genetic relationship with <i>O. montigena</i> from the Alps but is a different species from other barcoded <i>O. frigida</i> individuals from Canada, Norway and Russia	
	Poster 03: Bartel* & Dunlap	Poster 12: Isaia et al.	
	A forgotten world: Amber harvestmen as a window into past diversity	The tell-tale spider - a new species of <i>Troglohyphantes</i> (Araneae: Linyphiidae) from Corsica reveals unexpected biogeographic connections	
	Poster 04: Baumgart* et al.	Poster 13: Kontos* & Martens	
	Change of mechanical characteristics in spider silk capture threads after contact with prey	The Diversity of Nemastomatidae (Opiliones: Dyspnoi) in Greece	
	Poster 05: Djoudi et al.	Poster 14: Marusik et al.	
	Body size and short distance mobility are modulated by field farming system and local habitat characteristics	“From childhood’s hour I have not been as others were” - On the monotypy of <i>Vesubia jugorum</i> (Araneae, Lycosidae)	
	Poster 06: Dolejš & Kyrilová	Poster 15: Matsui* et al.	
	Historical collection of Greek spiders (Arachnida: Araneae) in the National Museum in Prague (Czech Republic)	Mate guarding behavior conditionally changed in <i>Phalangium opilio</i> , a phalangiid species with male dimorphism	
	Poster 07: Gajdoš et al.	Poster 16: Metzner* & Framenau	
	Salt marshes - important habitats for epigeic spider communities	The Fauna Portal Australia - a web-based diagnostic platform documenting undescribed species	
	Poster 08: Ganem* et al.	Poster 17: Meyer* et al.	
	Effect of guano type and cave zoning on the metabolic rate of Mediterranean recluse spider ( <i>Loxosceles rufescens</i> )	Nanofiber processing by cribellate spiders	
	Poster 09: Geci		
	On the alien-invasive spiders (Arachnida, Araneae) from Republic of Kosovo		

Poster 18: Milano* et al.	Conservation status of <i>Troglohyphantes</i> (Araneae: Linyphiidae) across the Alps and the North-western Dinarides	Poster 29: Santiago-Rivera* et al.	Dissecting the role of the silk protein MaSp2 in the dragline silk mechanical properties in <i>Parasteatoda tepidariorum</i> using CRISPR-Cas9
Poster 19: Nicolosi* et al.	Niche segregation in <i>Meta</i> spiders (Araneae, Tetragnathidae) on Mount Etna (Sicily, Italy)	Poster 30: Schöneberg*	From field to museum: Harnessing the power of third generation sequencing to establish a simple and cost-effective multiplex approach for spider taxonomy
Poster 20: Noske* et al.	SEM analysis of chemoreceptors on the mouth parts of two spider species with different lifestyles ( <i>Agriope bruennichi</i> , <i>Pisaura mirabilis</i> )	Poster 31: Simon et al. (Samu)	Detection of potential biocontrol agents in cereal fields
Poster 21: Oberweiser* & Eberhard	Male vibratory performance during courtship of <i>Pisaura mirabilis</i>	Poster 32: Simone* et al.	Metabarcoding analysis of different portions of the digestive tract of scorpions (Scorpiones, Arachnida) following a controlled diet regime shows long prey DNA half-life
Poster 22: Ortiz-Movtliav* & Uhl	When it gets warm in winter: Phenotypic plasticity in a cold adapted population of a range expanding spider	Poster 33: Steiger* et al.	Immature mating in <i>Parasteatoda tepidariorum</i> ? Morphology and behaviour
Poster 23: Pavlek et al.	Comparative genetic structure across co-occurring spiders with contrasting levels of cave adaptation and foraging strategies	Poster 34: Sujinthan & Benjamin	Molecular phylogeny and taxonomy of free-living stick spiders (Araneae: Theridiidae) of Sri Lanka
Poster 24: Piano et al.	Competitive exclusion in cave-dwelling spiders	Poster 35: Tsiashreshyna	Effect of bacteria presence on spider silk mechanical performance
Poster 25: Purgat* & Gajdoš	Influence of habitat conditions and agriculture management on the epigeic spider communities of the Little Carpathian viticulture landscape of Modra region	Poster 36: Urfer et al.	To sample where no one sampled before: Species composition of dwarf spiders from a pitfall trap project in the northern Swiss alps
Poster 26: Raška	Potential for use of jumping spiders as pest control agents	Poster 37: Viet* et al.	Large-scale prevalence of an endosymbiont in the range expanding spider <i>Zodariion rubidum</i> Simon 1914
Poster 27: Řezáč et al.	The sublethal effects of neonicotinoids on spiders are independent of their nutritional status	Poster 38: Weirbach* et al.	Cribellate thread production as model for spider’s spinneret kinematics
Poster 28: Samu et al.	Can gap cutting help to preserve forest spider communities?	Poster 39: Wiśniewski et al.	Harvestmen (Opiliones) in the mires of Poland
Tuesday   6 September			
9 <sup>00</sup>		Plenary talk   Arie van der Meijden	H3/4
		Comparative functional morphology and biomechanics of scorpions	Chair: J. Wolff
10 <sup>00</sup>		Coffee break	
	H3/4	Ecology	Chair: K. Birkhofer
10 <sup>30</sup>	Milano* et al.	Trends in habitat suitability of water spiders in Europe: a conservation perspective	
10 <sup>45</sup>	Samu et al.	Patterns of a quarter century decline of spiders in arable ecosystem	
11 <sup>00</sup>	Isaia et al.	Spiders, cave and global warming: a Descent into the Maelström	
11 <sup>15</sup>	Huang*	Structural stabilization function of spider web decorations	
11 <sup>30</sup>	Hopfe* et al.	Fantastic silks and where to find them: A correlation of habitat variables and spider silk properties	
11 <sup>45</sup>	Philip* & Sam	Top-down control of spiders in temperate and tropical forests	

12 <sup>00</sup>	<b>Lunch break (self-organised)</b>
	<b>H3/4 ▶ Ecology</b>  Chair: F. Samu
14 <sup>00</sup>	Zvik* et al. Ecological aspects of the enigmatic myrmecophile scorpion <i>Birulatus israelensis</i> (Arachnida: Scorpiones)
14 <sup>15</sup>	Kongarampilli Rajendran* & Ambalaparambil Vasu Effect of habitat complexity on web pattern in orb web builders (Araneae: Araneidae)
14 <sup>30</sup>	Kandampully Baji* et al. A preliminary study on the habitat association of lynx spiders from the Western Ghats of India
14 <sup>45</sup>	Schnerch* et al. Spiders and their prey in integrated pest management and organic apple orchards in Eastern Germany
15 <sup>00</sup>	Pekár et al. Ecological specialisation and reproductive isolation among closely related sympatric ant-eating spiders
15 <sup>15</sup>	Wiśniewski Short and long term effects of applying prescribed burn in heathlands on spider and harvestmen assemblages
15 <sup>30</sup>	<b>Coffee ☕ break</b>
	<b>H3/4 ▶ eDNA and Metabarcoding Symposium</b> 
16 <sup>00</sup>	Krehenwinkel Introduction
16 <sup>15</sup>	Gajski* et al. The winter activity and natural diet of winter-active spiders on pear trees
16 <sup>30</sup>	Anđelić Dmitrović* Ground and above-ground spiders' predatory choices: their biocontrol potential in Mediterranean vineyards and olive orchards
16 <sup>45</sup>	Gravesen et al. Greenland glacier foreland research: Combining DNA gut content analysis with SEM and GLMM shows bottom-up and top-down mechanisms
17 <sup>00</sup>	Melcher* Spiders as a monitoring tool for arthropod biodiversity – gut content metabarcoding and its uses
17 <sup>15</sup>	Kennedy et al. Maximizing return on investment: HTS and Nanopore sequencing for spider phylogenetics
17 <sup>30</sup>	Domènech et al. For all audiences: Incorporating immature stages into standardised spider inventories has a major impact on the assessment of biodiversity patterns
17 <sup>45</sup>	Šet* et al. Spider web eDNA as a tool for web ecology research
18 <sup>00</sup>	Weber* eDNA – a new application for monitoring spider diversity?
18 <sup>15</sup>	Krehenwinkel & Kennedy Discussion



## Wednesday | 7 September

### Midweek Excursions

8<sup>30</sup> Meeting at train station


## Thursday | 8 September

9<sup>00</sup> **Plenary talk | Elizabeth M. Jakob**  
Visual attention in jumping spiders  
Chair: P.O.M. Steinhoff

10 <sup>00</sup>	<b>Coffee ☕ break</b>
	<b>H3/4 ▶ Systematics &amp; Biogeography</b>  Chair: E. Piano
10 <sup>30</sup>	Eskov & Marusik <i>Comaroma</i> is not an anapid spider (Arachnida, Araneae, Araneioidea)
10 <sup>45</sup>	Dupérré & Tapia Seeing with new eyes -A peculiar new Araneoid from the Ecuadorian Amazon region-
11 <sup>00</sup>	Gavish-Regev et al. Speciation and eye evolution in two parthenogenetic species of <i>Sarax</i> (Amblypygi) from the Levant
11 <sup>15</sup>	Raveendran Sudha* et al. Revisiting 'the common wolf spider' of western ghats <i>Pardosa sumatrana</i> (Thorell, 1890) in light of genitalic polymorphism
11 <sup>30</sup>	Armiach Steinpress* et al. <i>Lycosa piochardi</i> Simon, 1876 - Population structure in a variable species
11 <sup>45</sup>	Ivanov Species delimitation in allopatric <i>Pardosa</i> using ddRAD sequencing
12 <sup>00</sup>	<b>Group Photo</b>
12 <sup>10</sup>	<b>Lunch break (self-organised)</b>
	<b>H3/4 ▶ Morphology &amp; Physiology</b>  Chair: C. Kropf
14 <sup>00</sup>	Simone* et al. Physiological and ecological consequences of a functional trade off in scorpion chelae
14 <sup>15</sup>	Müller & Uhl Feeling with a fingernail: Extero-proprioceptive sensilla in the pretarsal claws of the wasp spider <i>Argiope bruennichi</i> (Arachnida: Araneae)
14 <sup>30</sup>	Talukder* et al. Chemosensing in spiders: a behavioral and ultrastructural perspective
14 <sup>45</sup>	Poy* et al. MicroCT analysis of the copulatory mechanism reveals an active female participation in the genital coupling of the entelegyne spider <i>Ayscha proserni</i> (Anyphaenidae)
15 <sup>00</sup>	Lin et al. Diversification through gustatory courtship: prosomal shapes and glands and their convergent evolution
15 <sup>15</sup>	Rivera-Quiroz & Miller ( <i>online</i> ) The usability of legacy material: a micro-CT approach
15 <sup>30</sup>	<b>Coffee ☕ break</b>
	<b>H3/4 ▶ Phylogeny Symposium</b>  Chair: G. Giribet
16 <sup>00</sup>	Giribet Introduction
16 <sup>15</sup>	Sharma The implications of arachnid paraphyly and the future of chelicerate phylogenomics
16 <sup>45</sup>	Garwood & Dunlop The fossil record of chelicerates and their phylogeny
17 <sup>15</sup>	Wirkner Evolutionary morphology and the phylogeny of chelicerates
17 <sup>45</sup>	Panel discussion

**Congress Dinner**  
@ Straze  
(Stralsunder Straße 12)

## Friday | 9 September

9 <sup>30</sup>	<b>Plenary talk   Julien Pétillon</b> Ecology and conservation of European salt-marsh spiders Chair: M. Isaia
10 <sup>30</sup>	<b>Coffee ☕ break</b>
	<b>H3/4 ▶ Systematics &amp; Biogeography</b>  Chair: Y. Lubin
11 <sup>00</sup>	Arnedo et al. Of liars and gluttons, explaining asymmetries in species richness across the red devil spiders (Araneae, Dysderidae)
11 <sup>15</sup>	Miller et al. Little brown bugs: machine learning on challenging collections
11 <sup>30</sup>	Bellvert* et al. Different ecomorphs affect the species response to ecological release in red devil spiders (Araneae: Dysderidae) on islands
11 <sup>45</sup>	Kim* et al. Detecting cryptic diversity in Korean endemic harvestmen (Arachnida, Opiliones, <i>Kaolinonychus</i> ) using integrative taxonomy and machine learning methods
12 <sup>00</sup>	<b>Lunch break (self-organised)</b>
	<b>H3/4 ▶ Ecology</b>  Chair: S. Goodacre
14 <sup>00</sup>	Piano & Isaia Trait-mediated response to urbanization in spiders: a case study in the city of Torino (NW-Italy)
14 <sup>15</sup>	Cotoras et al. Early detection of an invasive harvestman in an oceanic island? Remarkable findings of <i>Parabaltia reedii</i> (Opiliones, Gonyleptidae) in the Juan Fernández
14 <sup>30</sup>	Črnecká et al. Parasitism rate of web-building spiders by hymenopteran parasitoids depends on elevation, habitat, and spider traits
14 <sup>45</sup>	Birkhofer et al. Scale-dependent drivers of the prey composition in spiders
15 <sup>00</sup>	<b>Workshop   Prost &amp; Henriques</b> Illegal wildlife trade
16 <sup>30</sup>	<b>Coffee ☕ break</b>
17 <sup>00</sup>	<b>ESA General assembly</b> <b>Awards</b> <b>Closing Ceremony</b>
19 <sup>30</sup>	<b>Peace Party</b> @ Mensaclub



European Society of  
Arachnology



**Arachnologische  
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ARTHROPOD + MUSCULOSKELETAL HISTOLOGY

## Map and suggestions for the Lunch Break



- 1 Gran Gusto | €€
- 2 Domingo | €-€€
- 3 Italian Bistro | €€
- 4 1101 Nacht (turkish food) | €-€€
- 5 Goldmarie | €€
- 6 Rialto Pizzeria (italian food) | €€
- 7 Junge - Die Bäckerei | €
- 8 S\*Bar (soups and salads) | €-€€
- 9 Lichtblick | €-€€
- 10 La Piazza (italian food) | €€
- 11 Störtebecker Brauhaus | €€-€€€
- 12 Fisch13 (take away) | €-€€
- 13 Wiekler Fisch | €-€€
- 14 Brasserie Hermann | €€
- 15 Taverna Kostas (greek food) | €-€€

€: 0-5 | €€: 5-10 | €€€: >10

