

5th International Conference on Community Ecology

3-5 September 2025

Central European University, Nádor Campus / Budapest, Hungary

Program*

	Wednesday / 3 September	
	Auditorium B	Room 101
13:00-14:00	Registration	
14:00-14:30	Opening speech	
14:30-15:15	Plenary talk / Sergei Petrovskii (UNITED KINGDOM): Interplay between climate forcing and evolutionary rescue may explain mass extinctions in the Earth history, Chair: Patonai	
	Biodiversity and ecosystem functioning, Chair: Symiakaki	Ecological networks and food webs, Chair: Jordán
15:15-15:35	Stella A. Berger (GERMANY): A Meta-ecosystem perspective on phytoplankton response patterns to localized impacts in river-connected lakes	Apolline Maitre (FINLAND): Establishing an in vitro gut microcosm for measuring the effects of prey chemical defences on great tit microbiota
15:35-15:55	Gülce Yalçın (GERMANY): The Role of lake connectivity in shaping plankton diversity and trait distribution: a large-scale enclosure experiment	Hind Aguelal (MOROCCO): Ecosystem-based evaluation of the Mogador Marine Protected Area using trophic network modelling (Central Atlantic Coast of Morocco)
15:55-16:15	Indri Puspitasari (HUNGARY): Functional diversity in Hungarian forest grassland-mosaics	Andreea-M Tripon (ROMANIA): Comparing co-occurrence network methods for assessing invertebrate associations in a tropical high mountain river ecosystem
16:15-16:35	Fatima El Fouh (MOROCCO): Carbon accounting in Moroccan Atlantic coastal ecosystems (Mogador Island, Essaouira)	András Hidas (HUNGARY): Diversity and adaptability in marine microbial co-occurrence networks: responses to environmental change
16:35-16:55	Lahcen Ouahmane (MOROCCO): Mycorrhizal status of two vulnerable endemic subspecies of Thymus in two different natural ecosystems in South-West Morocco	Gleice Santos (ROMANIA): Feeding selectivity and trophic links of a dominant cyclopoid copepod
16:55-17:15	Hanane Dounas (MOROCCO): Study of the floristic diversity of an ecosystem in south-west Morocco: Focus on Thymus broussonnetii, a threatened endemic species	Varsha Rani (HUNGARY): Food density drives diet shift of the invasive mysid shrimp, Limnomysis benedeni
17:15-17:35	Flórián Tóth (HUNGARY): Resource use efficiency positively scales with biodiversity in large river zooplankton (Danube River, Hungary)	Ferenc Jordan (ROMANIA): Interaction profiling species and functional redundancy in ecological networks
17:35-17:55	Salma Aboussalam (MOROCCO): Ecosystem modeling of the Moroccan Mediterranean Sea: assessing trophic dynamics and fishing impacts	Fadoua Abouelkousine (MOROCCO): Ecosystem models and CO ₂ fluxes: a bibliometric review of marine and coastal environments (5 min)
18:00-20:00	Welcome reception (Atrium)	

	Thursday / 4 September	
	Auditorium B	Room 101
8:30-9:00	Registration	
09:00-9:45	Plenary talk / Karima Khalil (MOROCCO): Status of community ecology in Africa : A systematic review, Chair: Elkalay	
9:45-10:15	Coffee break (Atrium)	
	Biodiversity and ecosystem functioning, Chair: Yalçın	Effects of global change, Chair: Lövei
10:15-10:35	Péter Ódor (HUNGARY): The effect of gap size and shape on understory and regeneration in an oak-hornbeam forests managed by continuous cover forestry	Yosef Steinberger (ISRAEL): Soil fungal communities along an aridity climate gradient
10:35-10:55	Katerina Symiakaki (GERMANY): Impact of run-off variability on phytoplankton community structure and function	Barbbara S Rocha (BRAZIL): Fish invasions alter size-density relationships through tempera-ture-mediated ecological mechanisms across the globe
10:55-11:15	András Abonyi (HUNGARY): Community dominance over species richness predicts resource use efficiency in large river phytoplankton	Christian Mulder (ITALY): Microclimate-driven functional mismatches in Mediterranean soil nematofauna
11:15-11:20		Zainab Damsiri (MOROCCO): A bibliometric analysis of global sources/sinks areas of CO2 in aquatic ecosystem
	Patterns of species richness and diversity, Chair: Berger	Effects of global change, Chair: Lövei
11:20-11:40	Henrietta Hampel (ECUADOR): Distribution of macroinvertebrate communities in high-mountain tropical lakes of Ecuador	Madeleine Milne (CANADA): Fate and effects of microplastics on a freshwater plankton food web in a whole-lake addition experiment
11:40-12:00	Anna Gavioli (ITALY): Italian fish diversity in protected areas	Maria Nicoară (ROMANIA): Warming and acidification alter essential fatty acid profiles in marine diatom Skeletonema marinoi
12:00-12:20	Thu Huong Huynh Ngoc (HUNGARY): Zooplankton communities in garden and public urban ponds: a case study in Hungary	Bogdan Drugă (ROMANIA): The adaptive responses of Skeletonema marinoi under long-term global change scenarios
12:20-12:40	Kennedy Okoth (HUNGARY): Silvicultural practices shape ectomycorrhizal fungal diversity and community composition in an oak-hornbeam forest in northern Hungary	Beáta Oborny (HUNGARY): Ecotone shifts in a changing climate
12:40-13:00	Andrew J. Hamer (HUNGARY): Local and landscape drivers of amphibian metacommunities along a broad urban-rural gradient	Vu Duc Thinh Nguyen (HUNGARY): Trophic state dynamics in rivers: a global perspective on trends, indicators, and implications
13:00-13:20	Dale A. Pebesma (CANADA): Environmental filtering and dispersal limitation in stormwater ponds mimics natural systems for benthic macroinvertebrate communities around Canada's largest city	Damiano Baldan (ITALY): Climate change impacts Mediterranean seagrass' seascape structure: what are the cascading effects on the associated communities?
13:20-14:30	Lunch break	
14:30-15:15	Plenary talk / Kai Wirtz (GERMANY): The hidden community traits ruling aquatic ecosystems, Chair : Elkalay	
	Statistical ecology, Chair: Rocchini	Resilience, stability and health of ecological communities, Chair: Patonai
15:15-15:35	Rosa Maria Di Biase (ITALY): A probabilistic sampling strategy for estimating plant density in Posidonia Oceanica meadows	Csaba F. Vad (HUNGARY): Eco-evolutionary hotspots in a heterogeneous landscape - an experimental test in saline ponds
15:35-15:55	Caterina Pisani (ITALY): A Monte Carlo procedure for the estimation of species coverage in dunes	David Cunillera-Montcusi (HUNGARY): Disentangling landscape degradation impacts on metacommunity diversity patterns by coupling 60-year pond network communities with an in-silico modelling approach.
15:55-16:15	Luca Schenone (GERMANY): Modeling freshwater phytoplankton phenology: a Bayesian approach linking long-term dynamics and the PEG model	József Geml (HUNGARY): Compositional dynamics of fungal communities along environmental and disturbance gradients
16:15-16:35	Duccio Rocchini (ITALY): Visualizing earth's pulse: ridgeline plots for satellite data analysis	Vladimir V. Kolbin (KAZAKHSTAN): Assessment of bioaccumulation processes in ichthyofauna of industrially polluted waters of small rivers of East Kazakhstan on the example of Ridder c.
16:35-16:40		Khouloud Magri (MOROCCO): Seawater desalination: A necessity and its environmental impacts
16:40-16:50	Group photo (Auditorium B)	
16:50-18:00	Poster session* and coffee break (Atrium)	
18:00-20:00	City center walking tour (meeting point: registration desk at 18:00)	
20:00-23:00	Conference dinner (meeting point: registration desk at 19:45)	

	Friday / 5 September	
	Auditorium B	Room 101
08:30-09:00	Registration	
09:00-09:45	Plenary talk / Ruiz Segura (SPAIN): Managing the seas: How marine sciences impact national policies, Chair: Patonai	
9:45-10:15	Coffee break (Atrium)	
	Conservation Biology, Chair: Horváth	Patterns of species richness and diversity, Chair: Gaedke
10:15-10:35	Balázs Deák (HUNGARY): Out-of-production sites provide safe-havens for rare weeds in intensively used agricultural landscapes	Ivano Vascotto (ITALY): Local gamma: the missing piece in Whittaker's diversity puzzle
10:35-10:55	Maryam Mostajeran (PORTUGAL): Modelling habitat suitability and connectivity for grey wolves, wild goats and goitered gazelles in the Central Iranian Plateau	Zsófia Eszter Guller (HUNGARY): Does clonal plant growth rate vary during succession?
10:55-11:15	Ilham Ouisoule (MOROCCO): Systematic conservation prioritization to identify potential critical areas for improved species protection along the Moroccan Atlantic coast	Márton Uhrin (HUNGARY): Public and garden ponds as amphibian habitats in a European city (Budapest, Hungary)
11:15-11:35	Anna Kövendi-Jakó (HUNGARY): Seeding year is more important than short-term seed storage in seed-based restoration of Pannonian sandy grasslands	Orsolya Valkó (HUNGARY): Interactive effects of wild boar rooting and shrub encroachment on the vegetation and seed bank of abandoned dry grasslands
11:35-11:55	Jitka Farská (CZECH REPUBLIC): Poor fen degradation increased the density and diversity of soil microarthropods and altered their community structure	Gábor Matus (HUNGARY): Organisation of terricolous lichen assemblages in an East Hungarian sandy grassland: abiotic and biotic factors
12:00-13:15	Lunch break	
13:15-14:00	Plenary talk / Antonio Bodini (ITALY): The dialectic of sustainability: the case of the post-conflict Colombia, Chair: Jordán	
	Ecosystem services, Chair: Nicoară	Ecological Networks, Chair: Jordán
14:00-14:25	Gabor L. Lovel (DENMARK): Predation pressure does not necessarily diminish with advancing urbanisation	Károly Pálffy (HUNGARY): Climate change, an invasive omnivor, and planktonic food web dynamics – insights from a process-based model
14:25-14:45	Oussama Rida (MOROCCO): Valuing ecosystem services by system dynamics simulation analysis in Essaouira, Moroccan Atlantic Coast	Ursula Gaedke (GERMANY): Seasonal shifts in trophic interaction strength drive stability of natural food webs
14:45-14:50	Fatima Mijlad (MOROCCO): Bioeconomic fishery models: a global review	S. Chaimae Sliia (GERMANY): Modelling the influence of management measures on food web functions on the Sylt outer reef
14:50-15:35	Plenary talk / Zsófia Horváth (HUNGARY): The importance of habitat connectivity for biodiversity in pond networks, Chair: Khalil	
15:35-16:00	Conclusive remarks	

	*Poster session (16:50-18:00 4 September, Atrium)	
	Biodiversity and ecosystem functioning	Patterns of species richness and diversity
	1.Gabriella Fintha (HUNGARY): Community composition of pathogenic fungi associated with forest plants differ among hosts and are influenced by silvicultural practices	4. Farah Minaoui (MOROCCO):Diversity, ecology and distribution of soil biocrust microalgae along an altitudinal gradient atlantic coast - High Atlas of Marrakech (Morocco)
	2. Marek Renčo (SLOVAKIA): The diversity of soil hydrobionts (Nematoda) in the riparian forests invaded by ash-leaved maple (Acer negundo)	5. Lea Milinski (SERBIA): Buzzing around town: exploring insect pollinator diversity across urban habitat types
	3. Tünde Szabó-Szőllösi (HUNGARY): The role of traditional cattle grazing in the maintenance of diversely restored grasslands	6. Alberto Ghedin (ITALY): Spatio-temporal phytoplankton biodiversity along the Italian peninsula
	Effects of global changes	Conservation biology
	7. Pua Bar (ISRAEL): Urban edge effect on reptile communities along the Mediterranean coastal dunes in Israel	8. Flóra Tinya (HUNGARY): Long-term effect of forestry skid trails on the abiotic conditions and understory vegetation of a beech forest

*Last updated: 09/08/2025. Please note that the organizers reserve the right to make changes in the program!