

2nd International Conference on Community Ecology

June 4–6, 2019

Alma Mater Studiorum, University of Bologna – DAMSLab / Bologna, Italy

FINAL PROGRAMME

Tuesday / June 4, 2019

17:00-19:00 Registration (Hall)

19:00-21:00 **Welcome reception (Hall)**

Wednesday / June 5, 2019

08:00-09:00 Registration (Hall)

09:00-09:15 **Opening speech / Alessandro Chiarucci (Auditorium)**

09:15-10:00 **Plenary talk / John M. Halley:
Pax perniciosa - the deceptive dynamics of biodiversity loss
Session chair: Alessandro Chiarucci (Auditorium)**

10:00-10:30 Coffee break (Hall)

**Community ecology
Session chair: John M. Halley (Auditorium)**

**Biodiversity and ecosystem functioning
Session chair: Laura Airoidi (Teatro)**

10:30-10:50 Gian Marco Palamara: Metacommunities in dynamic landscapes

Birte Matthiessen: Consequences of intraspecific diversity shifts for phytoplankton community properties

10:50-11:10 Sándor Bartha: Are there invariant and specific characteristic spatial scales of diversity patterns in grasslands?

Elena Stanca: Marine phytoplankton under control: abiotic and biotic drivers

11:10-11:30 Alessandro Bricca: Taxonomical, coenological and functional approach to analyse the effect of multi-year mowing on sub-Mediterranean invaded grasslands

Massimo Ponti: The ecology of Mediterranean gorgonian forests

11:30-11:50	Luciana Ghermandi: The power of long-term observation: what can reveal 19 years of grassland monitoring without experimental manipulation?	Francesco Mugnai: Exploring the distribution and underlying drivers of native and non-native mussel and oyster species in harbour environment	
11:50-12:10	Federico M. Tardella: Context-dependent response of the trait-related flowering pattern in sub-Mediterranean grasslands	Christian Mulder: Population sizes, life-history traits and ecological stoichiometry determine energy conversion efficiencies and material flow rates	
12:10-12:30	Maurizio Zotti: One ring to rule them all: a killer fungus fosters plant and microbial diversity in grassland	Michael Stastny: Ecosystem impacts of outbreaks by a native defoliating insect pest on forest soil carbon sequestration and dynamics	
12:30-14:00	Lunch (Hall)		
14:00-14:45	Plenary talk / Roberto Danovaro: Community ecology in deep-sea ecosystems: the boundaries of the extremes Session chair: Laura Airoidi (Auditorium)		
	Community ecology Session chair: Luciana Ghermandi (Auditorium)	Biodiversity and ecosystem functioning Session chair: András Báldi (Teatro)	Conservation biology Session chair: Juri Nascimbene (Sala Seminari)
14:45-15:05	Ross Dwyer: Niche partitioning amongst river shark species is driven by seasonal fluctuations in environmental salinity	Vladimir Korotkov: Paleoreconstruction and current state of the forest cover of Northern Eurasia	Nicholas A. Barber: Fire and grazing management shape ground beetle and dung beetle community structure and function in restored grasslands
15:05-15:25	Luis Amado Ayala-Pérez: Fish associations in temporal and nictemeral scales in Los Petenes Biosphere Reserve, Campeche, Mexico	Wei-chung Liu: Exploring topological similarity and phylogenetic relatedness between species in food webs	Gabriele Gheza: Conservation of terricolous cryptogams in continental lowlands: the role of open dry habitats
15:25-15:45	Anna Creswell: Modelling three-dimensional growth and competition of a community of corals under different disturbance scenarios	Marija S. Miličić: Which functional traits promote dark diversity among Southeast European hoverflies (Diptera: Syrphidae)?	Roderick J. Fensham: Defining the native and naturalised flora for the Australian continent
15:45-17:00	Coffee break and Poster session* (Hall / Teatro)		
	Community ecology Session chair: Sándor Bartha (Auditorium)	Ecological networks Session chair: Tamar Zohary (Teatro)	Island biology Session chair: Alessandro Chiarucci (Sala Seminari)
16:40-17:00	Nicola Alessi: Aggregations of native laurophylls in Italy to study ancient refugia and their non-equilibrium with present-day climate		

17:00-17:20	Chiara Lelli: How mountain forests are changing: Resurvey of historical vegetation data in the Northern Apennines (Italy)	Anett Endrédi: Trait-based understanding of topological importance in marine food webs	Md. L. Hossain: Microclimate variability significantly affects low altitude plant species composition in an oceanic island
17:20-17:40	Christian Damgaard: On the importance of time-series data when making inferences on species interactions	Ferenc Jordán: Keystone species complexes in food webs	Dabin Kim: Ecological and cultural characteristics of coastal forest in Namhae-Gun, Korea
17:40-18:00	Magda Zanzottera: Plant strategies and functional diversity along communities successional gradients in alpine environment	Anikó Kovács-Hostyánszki: Keystone features of flower-visitation networks in a traditional low-intensity agricultural system and their vulnerability to honeybee loss	Hyunhee Kim: Plant distribution and diversity in the islands area in the Korea peninsula
18:00-18:45	Plenary talk / Carl Beierkuhnlein: Endemism in ecosystems - exploring the role of community assembly and turnover Session chair: Juri Nascimbene (Auditorium)		
19:00-21:00	Walking tour in Bologna / optional Meeting point: Registration desk		
19:00-20:30	Meeting of the Editorial Board of the journal Community Ecology (location to be decided on sight)		

Thursday / June 6, 2019

09:15-10:00	Plenary talk / Meelis Pärtel: Dark diversity of ecological communities: theory and applications Session chair: Ferenc Jordán (Auditorium)		
10:00-10:30	Coffee break (Hall)		
	Community ecology Session chair: Ferenc Jordán (Auditorium)	Statistical ecology Session chair: Alberto Basset (Teatro)	
10:30-10:50	Isabel Cantera: Diversity patterns of tropical freshwater fish communities through disturbance gradients	Zoltán Botta-Dukát: Does Community Assembly by Trait Selection (CATS) algorithm estimate the role of mass effect correctly?	
10:50-11:10	Alessandra Gianni: Flood pulses and phytoplankton diversity in lakes of the Pantanal of Nhecolandia (Brazil)	Mohcen Mena: Bird-habitat relationships in riparian forests in North-eastern Algeria (Medjerda River)	

11:10-11:30	Bruna Gumiero: Hidden biodiversity in freshwater bodies: Trichoptera	Toshinori Okuyama: Census timing alters stage duration distributions in matrix population models	
11:30-11:50	Gemma Burgazzi: Communities in high definition: spatial and environmental factors affecting small scale distribution of aquatic invertebrates	Duccio Rocchini: Diversity change in space and time: measuring Rao's Q from space	
11:50-12:10	Ferrante Graselli: Effects of habitat-forming species on meiofauna assemblages in harbour areas	Enrico Tordoni: Enough is enough: searching for the optimal sample size to characterize and monitoring sand dune Natura 2000 habitats	
12:10-12:30	Giannina S. I. Hattich: Ecological and evolutionary changes shape future phytoplankton communities	Marco Cervellini: A multi-phase monitoring program for assessing Natura 2000 habitat	
12:30-12:40	Group photo		
12:40-14:00	Lunch (Hall)		
14:00-14:45	Plenary talk / Louise Firth: Eco-engineering: making space for nature in the Anthropocene Session chair: Stefano Mazzoleni (Auditorium)		
14:45-15:30	Side event / Alberto Basset: LifeWatch ERIC virtual research facilities for community ecology studies (Auditorium)		
15:30-16:30	Coffee break and Poster session* (Hall / Teatro)		
	Conservation biology Session chair: Carl Beierkuhnlein (Auditorium)	Effects of global change Session chair: Duccio Rocchini (Teatro)	Community ecology Session chair: Meelis Pärtel (Sala Seminari)
16:30-16:50	András Báldi: A multi-site and multi-taxon assessment of edge effect in grassland arthropods	Songlin Fei: Responses of forest tree community to climate change in the eastern United States	Stefano Mazzoleni: Dynamics of environmental DNA explain community biodiversity in terrestrial ecosystems
16:50-17:10	Zoltán Elek: Individual decisions drive the changes in movement patterns of ground beetles between forestry management types in Hungary	Gianalberto Losapio: The impact of land-use change and species invasion on biodiversity and ecosystem functioning	Michael Renton: Using modelling to investigate how below-ground interactions drive diversity, resilience and evolution of plant communities
17:10-17:30	Piero Zannini: Patterns of plant communities in Sacred Natural Sites across Italy	Laura Airoidi: Saltmarsh responses to escalating local and global stressors and implications for coastal protection	Johann M. Köhler: Are there signatures of microbial community compositions in historical and prehistorical soils? - 16S-RNA soil profilings from prehistoric hill settlements and archeological excavations

17:30-18:15	Plenary talk / Tamar Zohary: Being smaller in summer, larger in winter: a general pattern in freshwater phytoplankton? Session chair: Alberto Basset (Auditorium)
18:15-18:30	Conclusive remarks / Alessandro Chiarucci (Auditorium)

Poster session (Hall / Teatro)
June 5, 15:45-17:00 / June 6, 15:30-16:30

Community ecology	Biodiversity and ecosystem functioning	Effects of global change
László Bali: Two-year survey of ground-dwelling spider assemblages of artificial forest gaps	Gavin Campbell: The ecology of tropical temporary ponds at the University of the West Indies, Mona, Jamaica	Felicia Fisher M.: How defoliation frequency affects community and ecosystem stability in native grassland under rainfall manipulation
Francesca Bretzel: Dynamics, abundance, trends of green roof communities under limiting factors	Tamás Máté Marcsisin: Examining natural and artificial renewals in red oak stands in relation to their effects on regrowth and natural vegetation	Francesco Rota: The impact of climate change on stenoendemic alpine plant species in the southern Alps
Giandiego Competella: Scrutinizing functional patterns and assembly rules estimated from transect data	Gabriele Midolo: Context-dependent responses of alpine grasslands communities along elevation	Chiara Vallese: Plant and cryptogam communities along elevational gradients on the Majella massif (Italy)
Viktor Ya Gasso: Helminth infracommunity of grass snake <i>Natrix natrix</i> (Reptilia, Colubridae) in differently transformed ecosystems	Massimo Ponti: Dredging disturbance imprinted in the structure of benthic communities: the case of the Port of Cervia	Camilla Wellstein: Surface trade-off between the largest Italian glacier and vegetation: a thirty-year time-series of remote-sensed imageries
Julia Ramos Miranda: Trophic levels: differences and modifications for the fishing activity in Campeche, Mexico	Snežana Popov: Tell me what you eat and I will tell you what you are: Trophic variety of hoverflies (Diptera: Syrphidae) in Southeast Europe	
Gabrielle Lebbink: The influence of disturbance on functional traits and invader establishment	Conservation biology / community conservation	Ecological networks
Eugenia López-López: Aquatic macroinvertebrate community as indicator to assess a Neotropical river through an Index of biotic integrity	Kaouther Guellati: Diversity and status of avifauna in Souk Ahras region, North-eastern Algeria	Imre S. Piross: Quantifying interaction strength and sign in food webs: Linking network analysis and simulation
Oscar Peláez: Temporal and spatial changes in composition have stronger relationships at species and phylogenetic levels than for traits β -diversity	Kee Dae Kim: Vegetation comparison between nature conservation area of Deogyusan National Park, Korea and its periphery and the implications	

Nicole Salvatori: Parasitic plant creates ephemeral belting pattern in a reservoir banks

Leónia Nunes: Conservation status of Natura 2000 habitats in Portugal assessed with National Forest Inventory data: the outcomes of an European harmonisation criteria

Giacomo Santini: Ants shape functional diversity and community assemblage of epiphytic lichens in montane *Abies alba* forests

Jacinto Elias Sedeño Diaz: A multimetric index based on aquatic macroinvertebrate community to assess the biological condition in neotropical rivers of Mexico

Viktor Szigeti: Neutral effect of common milkweed (*Asclepias syriaca*), an invasive plant species on wild bee (Hymenoptera: Apiformes) communities

Rita Tonin: Functional response of alpine grassland species in the recolonization process of eroded areas

Final programme 17/05/2019
Changes may occur!