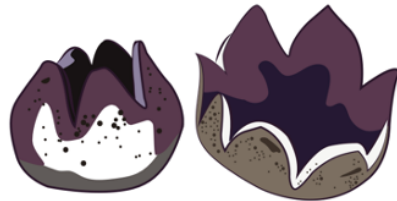


XIX Congress of European Mycologists

Perugia (Italy), September 4th- 8th, 2023



Programme & List of Participants



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XIX Congress of European Mycologists, Perugia (Italy), September 4th-8th, 2023

HONORARY COMMITTEE

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Iotti Mirco (University of l'Aquila, Italy),
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Venanzoni Roberto (University of Perugia)

XIX Congress of European Mycologists Perugia (Italy) 4th-8th 2023

Location: Hotel Giò Wine and Jazz Area

Pre-Congress Meeting	Sunday, September 3th, 2023
10:00-17:00	Red listing of Mediterranean fungal species. Workshop by IUCN SSC Fungal Conservation Committee
	Leader: Gregory M. Mueller , Chicago Botanic Garden
	Chair, IUCN SSC Fungal Conservation Committee
18:00	Visit the historic center of Perugia
	Monday, September 4th, 2023, Congress opening
8:15	Registration opening
9:00-10:00	Congress Opening. Official greetings
10:00-10:45	Keynote lecture: The evolution of phytopathogenic fungi
	Speaker: Pedro Crous , Westerdijk Fungal Biodiversity Institute, Utrecht, Netherlands
10:45-11:00	Discussion
11:00-11:20	Coffee break
11:20-13:30	Session FUNGAL DIVERSITY & INTERACTIONS 1
	Leaders: Pietro Buzzini , Gianluigi Cardinali , University of Perugia
11:20	Open lecture: Polar and non-polar cold habitats: an ecological niche harboring extremophilic fungal diversity. Buzzini Pietro
11:40	What lies beneath the logs: a collection of polyporoid and corticoid strains of central and northern Spain. Buratti Simone
11:55	Exploring the Fungal Biodiversity Richness in the Root System of Lavender. Capra Vittorio
12:10	The diversity of larger fungi in peatlands: ten years of plot-based monitoring complemented by barcoding and metabarcoding. Filippova Nina
12:25	Evaluation of global diversity of leaf-associated fungi. Hagh-Doust Niloufar
12:40	Combination of hosts and geographic origin affect the differentiation in <i>Fomes fomentarius</i> species complex. Logar Robert
12:55	Ants' infrabuccal pocket as a source of fungal novelties – a discovery of <i>Formicomycetes</i> gen. nov. (Chaetothyriales) from <i>Formica polyctena</i> ants. Siedlecki Igor
13:30-14:30	Lunch
14:30-16:40	PARALLEL SESSION 1 - FUNGAL DIVERSITY & INTERACTIONS 2
	Leaders: Claudia Perini , University of Siena, Italy; Lidia Nicola , University of Pavia, Italy
14:30	Open lecture: Community composition of wood-inhabiting fungi in Mediterranean deciduous oak woods. Claudia Perini
14:50	Untangling diversity and adaptation of rock-inhabiting fungi in drylands. Coleine Claudia
15:05	A comprehensive multi-method study of the fungal taxonomic and biological diversity in a model montane area. Nicola Lidia

15:20	No fungus is an island: how endohyphal bacteria may affect enzymatic capacities of their hosts? Pawłowska Julia
15:35	Fungi associated with ambrosia beetles in southern beech forests of Patagonia, Argentina. Williams Geoffrey
15:50	Solidago canadensis and fungi. How plant invasion influence mycocoenoses. Wrzosek Marta
16:05	Oceanic fungal diversity and biomass distribution in the Atlantic Ocean. Breyer Eva
16:20	Diversity of soil fungi in different beech forest communities of the Wolin National Park (Poland). Tomasz Leski
14:30-16:40	PARALLEL SESSION 2 - FUNGAL OMICS
	Leaders: Torda Varga , Comparative Fungal Biology, Royal Botanic Gardens, Kew, London, UK; Laura Zucconi , Tuscia University, Viterbo, Italy
14:30	Open lecture. How does phylogenomics help us to understand fruiting body evolution? Varga Torda
14:50	Global contribution of pelagic fungi to organic matter degradation in the ocean. Baltar Federico
15:05	Unrevealing the Hidden Secrets of Hericium erinaceus Mycelium and Sporophore trough Comparative Proteomics. Goppa Lorenzo
15:20	A class-wide genomic tendency throughout specific extremes in Black Fungi. Selbmann Laura
15:35	Unraveling the complexity of antibiotic-related genetic machinery in pan-European soil metagenomes. Dulia Olesia
15:50	Metabarcoding with confidence: Leveraging PacBio full-length ITS sequences with NextITS and PipeCraft2 pipelines. Mikryukov Vladimir
16:05	Mycoremediation in agricultural soils heavily contaminated by hexachlorocyclohexane (HCH) isomers: insights from the HCH-degrading Penicillium griseofulvum MUT5854. Ceci Andrea
16:20	Replacing Sanger sequencing by Nanopore sequencing for barcoding mushrooms using Mycena as a case study. Cathelyn Maartje
16:30	The Future is Fungi Award. Susanne Gløersen
16:40-17:00	Coffee break
17:00-19:00	Workshop: FUNGAL DATA MANAGEMENT & OPEN SCIENCE
	Leaders: Meyer Wieland , director of Fungal Biodiversity Institute, President of IMA; Urmaz Kõljalg , Tartu University, Estonia; Gianluigi Cardinali , Perugia University, Italy; Dmitry Schigel , GBIF, Denmark
17:00	Introductory lecture: Open access data as source for discovery. Meyer Wieland
17:15	Topic 1: Data management in UNITE. Urmaz Kõljalg
17:30	Topic 2: The NDM Italian Project. Francesca Floccia
17:45	Topic 3: eDNA metabarcoding data in GBIF.org. Dmitry Schigel
18:00	Topic 4: Who's there? Retrieving genetic markers from public databases to improve fungal species delimitation and identification. Conti Angela
18:15	Topic 5: Data or species?. Robert Vincent
18:30	Topic 6: From data mining to data meaning in fungal evolution of diversity. Cardinali Gianluigi
18:45	Discussion

	Tuesday, September 5th, 2023
08:30-09:30	Poster session
9:30-10:15	Keynote lecture: Fungal communities in trees: development in space and time
	Speaker: Lynne Boddy , Cardiff University, Wales, UK
10:15-10:30	Discussion
10:30-10:50	Coffee break
10:50-13:00	Session FUNGI IN CHANGING ECOSYSTEMS
	Leaders: Simone Di Piazza , Genoa University, Italy, Izabela Kałucka University of Lodz, Poland
10:50	Open lecture: Fungal-assisted remediation to mitigate environmental over-exploitation. Simone Di Piazza
11:10	Soil fungi as a tool to contrast the diffusion of invasive vegetation species in coastal sand dunes. Canini Fabiana
11:25	Effect of ecosystem changes on proliferation of two ecotypes of Morels (<i>Morchella</i> spp.). Masaphy Segula
11:40	Predictability of Fruiting as a Function of Growing Degree-Days. Oliveira Paulo
11:55	Soil Fungal communities of <i>Ulmus laevis</i> grown at forest and non-forest habitats. Marta Kujawska
12:10	The fungal plastisphere in marine and terrestrial environments: combining culture-dependent and culture-independent approaches. Varese Giovanna Cristina
12:25	Endophytic and soil fungi in ecosystems polluted with toxic metals. Ważny Rafał
12:40	Soil fungal communities in threatened polar and alpine environments. Zucconi Laura
13:00-14:30	Lunch
14:30-16.40	PARALLEL SESSION 1 - FUNGAL CONSERVATION with report from the Pre-Congress meeting
	Leaders: Anders Dahlberg , Swedish University of Agricultural Science, Sweden; Anna Maria Persiani , Sapienza University of Rome, Italy
14:30	Open lecture: REPORT from the Workshop, Dahlberg Anders
14:50	Mueller Gregory: Where are we in assessing the conservation status of European fungal species?
15:05	New red data list of Latvian Fungi (Agaricales s.l.) based on IUCN criteria. Dāniele Inita
15:20	Potential importance of the environmental DNA for improving fungal Red Listing. Copot Ovidiu
15:35	How do fungal communities restore in formerly extracted raised bogs. Vasutova Martina
15:50	Bullshit fungi – fimicolous fungal biodiversity hot spots on Heck cattle dung in Vienna. Krisai-Greilhuber Irmgard
16:05	Fungal conservation: Inoculation of heart-rot in living trees – establishing heart-rot fungi. Wainhouse Matthew
14:30-16.40	PARALLEL SESSION 2 - EMERGING PATHOGENIC FUNGI
	Leaders: Matteo Garbelotto , University of California, Berkeley; Mirco Iotti , University of l'Aquila, Italy

14:30	Open lecture: Latent pathogens triggered by climate change are causing novel large-scale tree decline and mortality in California. Garbelotto Matteo
15:05	Emerging ink disease of sweet chestnut in southern Switzerland. Prospero Simone
15:35	Emergence of the wood-decay pathogen <i>Fomitiporia mediterranea</i> in Pavia province (North Italy). Girometta Carolina Elena
15:50	<i>Talaromyces</i> spp. - the postharvest fruit pathogens in Serbia. Stošić Stefan
16:05	The threat posed by the invasive fungal pathogen of pines <i>Heterobasidion irregulare</i> in Europe: observations and predictions. Gonthier Paolo
16:40-17:00	Coffee break
17:00-18:30	ECCF Open Discussion Forum
	Leader: Susana C. Gonçalves , chair of the European Council for the Conservation of Fungi (ECCF)
20:00-23:00	Congress Social Dinner
	Wednesday, September 6th, 2023
09:00-18:30	Parallel Excursions: 1) Sacred Wood of Monteluco (Spoleto) with collecting fungi, with local mycological association. 2) Visit the Umbrian truffle ground in the Tiber Valley.
	Thursday, September 7th, 2023
8:30-9:30	Poster session
9:30-10:15	Keynote lecture: Current perspectives, progress, evidence and challenges on medicinal mushrooms in Europe. Giuseppe Venturella, Palermo University, Italy
10:15-10:30	Discussion
10:30-10:50	Coffee break
10:50-13:00	Session MEDICINAL MUSHROOMS
	Leaders: Marin Berovic , Ljubljana University, Slovenia; Elena Savino , University of Pavia, Italy
10:50	Open lecture: Comprehensive Technologies for Large Scale Medicinal Mushroom Biomass Cultivation. Marin Berovic
11:10	Preliminary investigation on antioxidant, antibacterial and antiproliferative activities on <i>Pleurotus eryngii</i> var. <i>thapsiae</i> , as potential source of bioactive compounds. Cirilincione Fortunato
11:25	Microwave-assisted extraction and medicinal mushrooms: an innovative and promising technique with significant applicative implications: Ferraro Valeria
11:40	Spread, rot damages in trees and growth rate of <i>Inonotus obliquus</i> in pure culture. Kütt Karin
11:55	Antimicrobial activity of <i>Pisolithus arhizus</i> methanolic extract: preliminary results against some human pathogenic bacteria. Mirabile Giulia
12:10	<i>Herichium erinaceus</i> modulates gut microbiome-brain axis adapting gut microbiome composition and reducing neuroinflammation in frail aged mice. Rossi Paola
12:25	Novel anticoagulant enzyme produced by <i>Aspergillus tabacinus</i> . Lavrenova Viktoriia

12:40	Ethanol extracts of <i>Fomes inzengae</i> and <i>Laetiporus sulphureus</i> inhibits in vitro survival and migratory activity in hepatocarcinoma cells. De Mattheis Martina
13:00-14:30	Lunch
14:30-16.40	Session MYCOLOGY BY YOUNG SCIENTISTS
	Leaders: Gaia Cusumano, Giancarlo Angeles Flores , University of Perugia
14:30	Mucoromycota-bacterial interactions in postindustrial soil. Abramczyk Beniamin
14:40	The effect of bacteria spp. to stimulate <i>Tuber melanosporum</i> root colonization and growth of young seedlings of <i>Quercus ilex</i> L. Ranocchi Bianca
14:50	Fungi sniffing fungi: a working expansion of the Phenotype MicroArrays™ system to assess the effects of fungal volatile organic compounds between co-occurring species. Spinelli Veronica
15:00	Environmental factors affecting nutritional values of mushrooms. Stojek Katarzyna
15:10	Fungus and plastic interaction: sub-micron X-ray microscopy provided novel results. Temporiti Marta Elisabetta Eleonora
15:20	Lichen mycobionts and endemism are key drivers for bacterial diversity associated to the thalli. Stoppiello Gerardo Antonio
15:30	Climate drives diversity patterns of dominant microbial taxa in caves worldwide. Biagioli Federico
15:40	Biosurfactant production by representatives of Mucoromycotina and Mortierellomycotina. Nowak Maksymilian
15:50	In search of the fungal plastic degraders. Wiktorowicz Dorota
16:00	Metabolomics as a tool to discriminate <i>Ganoderma lucidum</i> and <i>Ganoderma valesiacum</i> mycelium grown in liquid culture medium. Cusumano Gaia
16:10	Exploring Macrofungal Diversity in Sacred Natural Sites of Umbria, Italy. Angeles Flores Giancarlo
	Discussion
16.40-17.00	Coffee break
17:00-18:30	EMA General Assembly
	Friday, September 8th, 2023
8:30-9:30	Poster session (posters are available all the congress week)
9:30-10:15	Keynote lecture: Fungal materials
	Speaker: Han A.B Wösten , Utrecht University, Netherlands
10:15-10:30	Discussion
10:30-10:50	Coffee break
10:50- 13:00	Session FUNGI IN BIOECONOMY AND CIRCULAR ECONOMY
	Leaders: Ahmed M. Abdel-Azeem , Suez Canal University, Egypt; Giovanna Cristina Varese , Torino University, Italy
10:50	Open lecture: Circular Economy of الفطريات (Champignon, Fangasi) in Africa: Current Status and Future Prospects. Ahmed M. Abdel-Azeem
11:10	Mycoproteins of medicinal mushroom from submerged fermentation of agroindustrial byproducts. Ferrero Davide

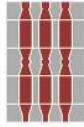
11:25	Metabolomic analysis and evaluation of nutritional compounds of a new mycoprotein from artificial fungi consortia with seaweed-derived fungi and terrestrial filamentous fungi. Landeta Catalina
11:40	Changes in soil fungi associated with New Zealand mānuka (<i>Leptospermum scoparium</i>) irrigated with treated wastewater. van Hamelsveld Sophie Joy
11:55	Cultivation trials of medicinal mushrooms on crop residues for sustainability of wineries. Balenzano Gaetano
12:10	Isolation of the Mucoraceae from the dry-aged beef and their evaluation as potential biostarter for meat ageing. Ostrowski Grzegorz
12:25	Exploiting wood-destroying fungi for the fabrication of novel biomaterials: mycelium composites. Irbe Ilze
12:40	Bruker Italia S.r.l. Daltonics Division. Mirasole Cristiana
13:00-14:30	Lunch
14.30-16:40	Session ADVANCEMENTS IN FUNGAL CULTIVATION: HARNESSING THE POWER OF FUNGI FOR SUSTAINABLE DEVELOPMENT
	Leaders: Federico Puliga , Bologna University, Italy; Elena Salerni , Siena University, Italy
14:30	Open lecture: Mushrooms cultivation: current status and future perspectives. Puliga Federico
14:50	Anaerobic digestate: a promising growing substrate for full-scale cultivation of <i>Pleurotus ostreatus</i> . Zuffi Veronica
15:05	Are healthy protein-rich termite fungal crops promising as human food? Preliminary studies. Kochanowski Michał
15:20	Combined impact of forest management and climate change on <i>Boletus edulis</i> productivity: may mycosilviculture mitigate the effects of climate extremes? Salerni Elena
15:35	First evidence of symbiotic relations between <i>Bradyrhizobium</i> spp. and <i>T. magnatum</i> mycelium. Graziosi Simone
15:50	What more is there to know about biology of morels (<i>Morchella</i> spp.) to improve their cultivation? Mirco Iotti
16:05	Environmental study on different <i>Tuber magnatum</i> natural production areas. Rondolini Mara
16.40-17:00	Coffee break
17:00-18:00	Closing Ceremony: Congress Awards, Announcement for the XX CEM
	Saturday, September 9th, 2023
	Post-Congress Meeting. Remote connection will be available via Teams (download electronic version and copy link below)
9:30-12.00	Mycological Groups & Societies in Europe: how can we cooperate?
	Meeting ledears: Izabela Katucka – President of the European Mycological Association (EMA), Alessandra Zambonelli – president of the Italian Union of Mycology (UMI), Julia Pawłowska – president of the Polish Mycological Society (PTMyk), Solveig Tosi – coordinator of the Italian Botanical Society working group for mycology.

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