



UNIVERSITATEA BABEŞ-BOLYAI
BABEŞ-BOLYAI TUDOMÁNYEGYETEM
BABEŞ-BOLYAI UNIVERSITÄT
BABEŞ-BOLYAI UNIVERSITY
TRADITIO ET EXCELLENȚA



Facultatea de
Biologie și Geologie
UNIVERSITATEA BABEŞ-BOLYAI

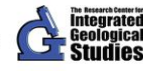


Centrul de
Biologie Sistemica
Biodiversitate și
Bioresurse



DsiB

DOCTORAL
SCHOOL
OF INTEGRATIVE
BIOLOGY



The Research Center for
Integrated
Geological
Studies



Muzeul Zoologic - UIBB
ÁLLATTANI MŰZEUM - BBTE
ZOOLOGISCHES MUSEUM - BBU
ZOOLOGICAL MUSEUM - IBU



BIO:T.A.

BIODIVERSITY, TRADITIONS, AND THE PRESENT - EDITION XI

May 8 2026

8:00-9:00						Registration Coffee & tea (Science Café)					
9:00-9:20						Welcome and opening - representatives of the Faculty of Biology and Geology, Babeş-Bolyai University					
						Opening plenary speaker - "Emil Racoviță" amphitheatre (AZ) Chair: Ioana Meleg					
9:20-10:10		Plenary speaker: Dr. Anders Götherström				Genomics of the Viking world					
						Molecular Biology and Biotechnology - "Emil Racoviță" amphitheatre (AZ) Chair: Dorina Podar					
10:10-10:45		Keynote speaker: Dr. Roey Angel				Like fish out of water? Elucidating the ecophysiology of upland-soil methanogens through cultivation and 'omics methods					
10:45-11:00		Daniel Cruceriu				Mitochondrial dynamic redistribution regulates phenotype-specific migration during confinement-induced mesenchymal-to-amoeboid transition					
11:00-11:20						Coffee & tea break (Science Café)					
11:20-11:35		Bettina Kaczur				Characterization of a novel primordial germ cell-specific monoclonal antibody					
11:35-11:50		Laura Ioana Pătraș				Cell-free immunomodulation using curcumin-loaded dendritic cell EVs to enhance CD8 ⁺ T-cell activation in an in vitro model					
11:50-12:05		Valentin Florian Răuca				Immunomodulatory targeted therapy for melanoma based on co-administration of PD-L1-specific antibodies and dendritic cell-derived extracellular vesicles encapsulating curcumin					
12:05-12:20		Cristina Lorena Văcar				Understanding fungal heavy-metal resistance: mechanisms underlying remediation opportunities					
12:20-12:35		Emanuela Dana Lushnykov				Twenty Years Later: How Remediation Strategy Shapes Soil Bacterial Recovery at Two Metal Contaminated Sites					
12:35-12:50		Mihaela Gălean				Distinct structuring of the rhizosphere microbiome in a legume growing across various degraded soils					
12:50-13:05		Martina Matei				Isotopic insights into specialized husbandry practices in medieval south-eastern Romania					
13:05-14:10						Lunch break - "Vasile Radu" Hall (SZN)					
						Ecology and Biodiversity Conservation - "Emil Racoviță" amphitheatre (AZ) Chair: Ioana Meleg, Beatrice Kelemen			Earth Sciences and Ecosystem Dynamics - "Eugen Pora" amphitheatre (AFA) Chair: Silye Loránd		
14:10-14:45		Keynote speaker: Dr. Ferenc Jordán		A systems view on ecological communities: experimentally testing model predictions		14:10-14:45		Keynote speaker: Dr. György Less		Large benthic foraminifera of the Western Tethyan Eocene: case-studies on their evolution and biostratigraphy	
14:45-15:00		Bogdan Drugă		Learning from Failure: How Mistakes Shape a Career in Science		14:45-15:00		Szabolcs Attila Kövecsi		When the reality confirms the hypothesis: case study of a nummulitic accumulation in the NW Transylvanian Basin.	
15:00-15:15		Ioan Tăușan		Red Wood Ants of Romania – Diversity, distribution and conservation		15:00-15:15		Dávid Dobri		Micropaleontological, biostratigraphic and paleoenvironmental analysis of the early Eocene (late Ypresian) nummulitic limestones of southern Dobrogea.	
15:15-15:30		Sarah Melissa Witiak		Impacts of Long-Term Fire and Grazing on Rhopalomyia spp. Galls in Idaho		15:15-15:30		Nicolae Trif		Preliminary data on a new Oligocene ichthyofauna occurrence from northwestern Transylvania.	
15:30-15:45		Dan Turtureanu		Linking microclimate and satellite phenology to understand vegetation dynamics in the Carpathian mountains		15:30-15:45		Alexia Maria Vaida		Microfossils as Key Tools for Reconstructing Badenian Biostratigraphy and Paleoenvironments in the southwestern Transylvania and Făget Basin	
15:45-16:00						Coffee & tea break (Science Café)					
16:00-16:15		Karina Battes		Diversity of planktonic microcrustaceans in the Somova-Parchez Lake Complex (the Danube Delta Biosphere Reserve, Romania)		16:00-16:15		Roxana Grindean		Vegetation changes and ecosystem resilience in Southern Transylvania during the Holocene.	
16:15-16:30		Sára Roszik		Assessing dog's aggressive and avoidance behaviour when interacting with a quadruped robot and a waiter-assistant robot		16:15-16:30		Agnes Ruskal		Holocene climate variability and recent anthropogenic impacts recorded in a Romanian peatland.	
16:30-16:45		David Livadariu		Bridging the Gap Between Occurrence Data and Conservation Action: Automated Workflows, Temporal Awareness, and AI-Ready Evidence		16:30-16:45		Alexander Andrei Rizea		The mineralogy of kidney stones and their related bacterial cultures.	
16:45-17:00		Maria Ciçsa		The assessment of the impact of check-dams on biodiversity of riparian vegetation of torrential watercourses		16:45-17:00		Ayman Agharabi		Hydro-chemical analysis and assessment of surface water quality for drinking and irrigation in Oued Fez watershed (Fez plain, Saïs Basin, Morocco).	
17:00-17:15		Dragoș-Iulian Coadă		The Vărășoia Cave System (Bihor Mountains, Western Romania): an integrated biological approach							
17:15-18:25						Poster session - Museum of Zoology					
18:30-19:00						Closing session					
						May 9 2026					
9:00						Field trip – Meziad Show Cave : departure location -Sala Sporturilor "Horia Demian" click here for Google Maps link					

	Author	Title	
1	Erika Iulia Danel	<i>Biological Relatedness at Medieval Dăbâca: Insights from Nonmetric Cranial Variation</i>	Ecology
2	Antonio Vasile Laza	<i>Population size challenge in endemic freshwater species: Field and spatial modelling of the Idle Crayfish</i>	Ecology
3	Thomas Kuhn	<i>Dwarf Pine (Pinus mugo Turra) encroachment in mountain Grasslands as the main contributor to Carpathian greening</i>	Ecology
4	Denis Bighe	<i>Air currents as orientation cues in underground environments for Pantherophis guttatus (Squamata: Colubridae)</i>	Ecology
5	Daniela Bustan-Jeflea	<i>Genome-Resolved Metagenomic Analysis of Microbial Diversity and ARGs/BGCs Across a Salinity Gradient in Romanian Lake Sediments</i>	Ecology
6	Elena-Maria Cheta	<i>Determination of heavy metals in bee pollen as an indicator of</i>	Ecology
7	Camelia Ratea	<i>Integrating Food Composting into Sustainable Food Implications for Biodiversity, Ecosystem Conservation, Climate Resilience</i>	Ecology
8	Sabrina Runcan	<i>Algae, invertebrates and fish communities from the Vâlșan River, Romania</i>	Ecology
9	Bianca Denisa Suclaghi	<i>Insights into Macrofungi Diversity in a Protected Area</i>	Ecology
10	Luca-Mátyás Szabó	<i>Historical Status and Recent Breeding Record of the Lesser Kestrel (Falco naumanni) in Romania</i>	Ecology
11	Teodora Roxana Zănoagă	<i>City nesting: Ecological consequences</i>	Ecology
12	Ioana Violeta Ardelean	<i>Lichens dwelling on wood: the importance of substrate properties and forest structure</i>	Ecology
13	Anda Larisa Iosip	<i>Shall we let botanists go extinct? Comparing traditional plant survey and eDNA methods – a case study across habitats from the paradise of Nera Gorge-Beuşnița National Park to the heavily contaminated Moldova Nouă</i>	Ecology
14	Cristina Emanuela Raboca	<i>Ethnoiatric studies in Arcalia village (Bistrița-Năsăud County)</i>	Ecology
15	Laura Moldovan	<i>Bioarchaeological Analysis of a Female with Potential Non-Local Traits from the Capidava Necropolis</i>	Ecology
16	Vlad Florentin Muntean	<i>When Specimens Break but Data Survive: The Gheorghé Pătraşcu Lepidoptera Collection</i>	Ecology
17	Lucian Alexandru Teodor	<i>Soil mesofauna of Bortig Ice Cave sinkhole</i>	Ecology
18	Andreea Irina Danci	<i>Study of bryophytes from alder forests in the Western Mountains</i>	Ecology
19	Claudiu Stan	<i>Assessment of Risk Exposure in Pedestrian Red-Light Crossing - A Case Study in Human Ethology</i>	Ecology
20	Adrian Valentin Calancea	<i>Soil mesofauna of Bortig Ice Cave sinkhole (Apuseni Mountains, Northwest Romania)</i>	Ecology
21	Rebeka Bartos	<i>Mammoth findings from the Quaternary of Cluj-Napoca</i>	Geology
22	Botond Bodor	<i>Foraminiferal Study of the Oligocene Sedimentary Record of Southern Albania</i>	Geology
23	Katinka Nóra Sütő	<i>Factors influencing the distribution and morphology of Entzia macrescens in an inland salt marsh</i>	Geology
24	Miruna Bobes	<i>The Microbiota as a Potential Reservoir and Vehicle for the Dissemination of Antibiotic Resistance Genes</i>	Molecular Biology
25	Ioana-Valentina Cumpăta	<i>Deciphering symbiotic efficiency: genotypic and phenotypic characterization of eds1a, eds1b, bir1-like, bir2-like, and cdk1 Lotus japonicus mutants</i>	Molecular Biology
26	Zsófia Stefánia Bogya	<i>Characterization of the secretory dendritic cells of the bursa of Fabricius using novel monoclonal antibodies</i>	Molecular Biology
27	Andreea Bohus	<i>Development of an enzymatic technology for the synthesis of 3-[4-hydroxy-3-iodophenyl]propanoic acid and its application in the iodine biofortification of Lactuca sativa crops</i>	Molecular Biology
28	Mara Delia Clora	<i>GLYCOPROTEIN PROFILING IN MPTP-INDUCED EXPERIMENTAL PARKINSON'S DISEASE</i>	Molecular Biology
29	Mihai Cristian Grimm	<i>Functional Gene merA in Rhizosphere Communities: Implications for Phytoremediation Potential in Mercury-Contaminated Soils</i>	Molecular Biology
30	Noemi Karsai	<i>Phytochemical Characterisation And Antioxidant Activity Of Anthocyanins From Edible Flowers</i>	Molecular Biology
31	Ebru Ozdemir Nath	<i>Determination of biological activities of Stachys byzantina K. Koch</i>	Molecular Biology
32	Elena Diana Vlad	<i>Telomeres and type 2 diabetes</i>	Molecular Biology
33	Yasemin Yücel Yücel	<i>Comparing the Antioxidant Activities of Ylang Ylang Essential Oils From Different Commercial Brands</i>	Molecular Biology
34	Raluca Ioana Macovei	<i>Metal Affinity-based Immobilization of Phenylalanine Ammonia-lyase on Single-Walled Carbon Nanotubes</i>	Molecular Biology
35	Denisa Dobos	<i>Platinum(IV) - NSAID conjugates: A promising therapeutic strategy for Triple-Negative Breast Cancer</i>	Molecular Biology
36	Smaranda-Oana Boghean	<i>Characterization and Genetic Diversity Assessment of Pyrus Germplasm in Romania Using a Multi-Locus SSR Marker Panel</i>	Molecular Biology
37	Simina Sturzu-Cosma	<i>Potential applications of red grape extract as adjunctive treatment in colorectal cancer</i>	Molecular Biology
38	Maria-Emilia Macarov	<i>In Vitro Virucidal Efficacy of Lilium spp.</i>	Molecular Biology
39	Ioana Flavia Vedinaş	<i>Continuous-flow synthesis of L-Phenylalanine via metal affinity-based immobilized phenylalanine ammonia-lyase</i>	Molecular Biology
40	Naomi Bondila	<i>Transmembrane phosphatase YejM, the gate for LPS regulation</i>	Molecular Biology
41	Titus Timotei Suci	<i>Protein engineering of bacterial HALs for therapeutic applications</i>	Molecular Biology
42	Ioana Maria Haşu	<i>Functional reorganization of nitrogen-cycling microbial processes across degraded soils</i>	Molecular Biology
43	Diana Victoria Tocariu	<i>Optimizing compost application to enhance growth of a leguminous plant species in contaminated soil</i>	Molecular Biology
44	Alexandr Gaitur	<i>Development and Validation of the Academic Stress Resilience Index (ASRI) in Undergraduate Medical Students</i>	Other

