

BIOTA

BIODIVERSITY, TRADITIONS, AND THE PRESENT-EDITION X

May 16 2025						
8:00 - 9:00		Registration (Science Café)				
9:00-9:10		Welcome and opening - representatives of the Faculty and University				
9:10-9:20		Special Address by Mihai Pușcaș, Director of the Cluj Botanical Garden - Honoring a century of botanical heritage				
Opening plenary speaker - "Emil Racoviță" amphitheatre (AZ)						
Chair: Dorina Podar						
9:20-10:10		Plenary speaker: Hervé Bocherens	Conservation paleoecology: how the past can help the future			
10:10-10:30		Coffee & tea break (Science Café)				
Biodiversity, ecosystem conservation and climate resilience: bridging science and action - "Emil Racoviță" amphitheatre (AZ)			Molecular biology for sustainable health - "Eugen Pora" amphitheatre (AFA)			
Chair: dr. Dan Turtureanu			Chairs: dr. Alina Sesărman, dr. Emilia Licărete			
10:30-11:05		Keynote speaker: Laurențiu Rozyłowicz	Pathways to coexistence with large carnivores in Romania	10:30-11:05	Keynote speaker: Loredana Săveanu	From TCR signaling to Chimeric Antigen Receptors development
11:05-11:20		Nándor Erős	AVISEN: AVlan SENescence database to understand senescence in birds	11:05-11:20	Giorgiana Negrea	Novel Tumor-Targeted Nanoformulations Containing Simvastatin and Doxorubicin Suppress Melanoma Progression in a Murine Model
11:20-11:35		Adrian Ruicănescu	The fine structure of the antennae in Capnodis cariosa (Coleoptera: Buprestidae) and their role in populational distribution	11:20-11:35	Ștefan Mihai Drăgan	Development and characterization of curcumin-loaded extracellular vesicles as an adjuvant to anti-PD-L1 therapy on melanoma 3D model
11:35-11:50		Gabriel Iuga	Diversity and distribution of weevils (Coleoptera, Curculionoidea) in the Botanical Garden "Alexandru Borza" from Cluj-Napoca	11:35-11:50	Alexandra Machițescu	Comparative analysis of hibiscus and aronia anthocyanins: chemical composition and selective antiproliferative effects on melanoma cells
11:50-12:05		Natalia Timuș	Testing new AI-based automated methods to monitor pollinators in „Eastern Cluj Hills” area (Cluj, Romania)			
12:05-12:20		Coffee & tea break (Science Café)				
Biodiversity, ecosystem conservation and climate resilience: bridging science and action - "Emil Racoviță" amphitheatre (AZ)			Molecular biology and microbial function in environmental contexts - "Eugen Pora" amphitheatre (AFA)			
Chair: dr. Irina Goia			Chairs: dr. Dorina Podar, dr. Emilia Licărete			
12:25-12:40		Attila László Orosz	Gall formation on wild roses under laboratory conditions: roles of wasp origin and host susceptibility	12:25-13:00	Keynote speaker: Robert Blanvillain	Genetic control of chloroplast biogenesis : focus on the plastid RNA Polymerase complex and PAPs
12:40-12:55		Pavel Dan Turtureanu	Towards an integrated understanding of vegetation dynamics in the Carpathians	13:00-13:15	Leonard Calistru	Functional study of PAP3/pTAC10 in the Plastid-Encoded RNA Polymerase during chloroplast biogenesis
12:55-13:10		Resham Bahadur Shahi	Integrating Allometry and Digital Image Analysis for Prunus tenella Batsch. Leaf Phenotyping	13:15-13:30	Emanuela Dana Lushnykov	Rhizosphere soil microbial communities exhibit resilience over a wide mercury (Hg) contamination gradient
13:10-13:25		Thomas Kuhn	Seed bank as a source for the spontaneous regeneration of dry grasslands on former arable fields in an agro-pastoral landscape	13:30-13:45	Cristea Adorján	Maximizing microbial DNA yields: practical solutions for sampling amphibian skin microbiome
13:25-13:40		Teodora Georgiana Mihăilă	Visitors’ perceptions of Bucovina on Instagram: which places generate more social media engagement?	13:45-14:00	Crina Mocan	Testing the germination and reactivity of Angraecum caeleolus using in vitro cultures
14:00-15:30		Lunch break - "Vasile Radu" Hall (SZN)				
Earth sciences and ecosystem dynamics across temporal scales: understanding change and resilience - "Emil Racoviță" amphitheatre (AZ)						
Chair: dr. Ioana Meleg						
15:30-16:05		Keynote speaker: Bogdan P. Onac	Cave deposits as archives of past climate and environmental change			
16:05-16:20		Agnes Ruskal	The hydroclimate of Mlaca Tătarilor (Central Romania) in the last two millennia			
16:20-16:35		Constantin Balica	Mineralogy and geochemistry of carbonates containing rich Frutexites-microcoprolites assemblages from Mesozoic marine cryptic cavities (Romanian Carpathians)			
16:35-16:40		Nicolae Har	Environmental mineralogy studies on some built structures in Cluj area			
16:40-17:05		Roxana Grindean	Dung fungal spores in modern samples as indicators of herbivore grazing pressure			
17:05-17:20		Sergiu Drăgușanu	Alluvial gold from the eastern and southern Carpathians, Romania			
17:20-17:40		Coffee & tea break (Science Café)				
17:40-18:40		Poster session - Museum of Zoology				
18:40-19:00		Closing session				
May 17 2025						
10:00-12:00		ROUND TABLE: Artificial Intelligence and Biomedical Research "Emil Racoviță" amphitheatre (AZ)				
		Moderated by CS I Dr. Vlad Cojocaru (Inst. STAR-UBB & Doctoral School of Integrative Biology)				
		guests: Prof. dr. Iulia Bocicor from Babes-Bolyai University, Prof. dr. Adrian Groza and Prof. dr. Stelian Brad from the Technical University of Cluj-Napoca.				

Poster session - Museum of Zoology		
Poster number	Authors	Title
1	Militaru C.M., C.M. Craioveanu	The anthropogenic impact on diurnal butterfly communities (Lepidoptera): An insight from three Natura 2000 sites located in Braşov county
2	Coadă D.I., C. Bădăluţă, S. Iepure	Shedding lights into underground diversity: groundwater harpacticoids (Crustacea. Copepoda) from Romania
3	Pop I.C.M., A.N. Stermin	Intraspecific interactions within the population of <i>Anas platyrhynchos</i> on Lake Chios in Cluj-Napoca
4	Luca D., M. Prundus, I.S. Szócs, D. Mészáros, Z. Kovács, E. Papp, A.C. Drăghici, A.A. Nagy, D.D. Cosmin, G. Osváth	Preserving Heritage: the revision of the zoological collection held by Andrei Mureşanu High School Natural History Museum, Dej, Romania
5	Sambor O., R. Bucur, C. Haidău, D.Ş. Măntoiu, O.T. Moldovan, C. Sitar, S. Iepure	Integrating classical and molecular tools for biodiversity monitoring in subterranean karst environments
6	Ivanuş N., G.M. Sitar, C. Sitar	Digitizing Entomological Collections: Scientific Valorization of the Vasile Vicol Carabidae Collection
7	Matei M., A. Acarinei, I. Drăghici, C. Mircea, S. Nemeti, B. Kelemen	Tracing Pig Diets in 5th-6th Century Transylvania: A Stable Isotope Approach
8	Jarda M.A., L. Jarda, V.A. Kiss	Micropropagation of the critically endangered <i>Convolvulus persicus</i> : A step towards ex situ conservation
9	Iordănescu V., A. David	The diversity of herpetofauna from the sites ROSCI0420 Oprăneşti and ROSCI0432 Prunişor
10	Puiu D.S., A. Nae, D.Şt. Măntoiu, S. Iepure	Cryptic cave spiders: is <i>Carpathonesticus plesai</i> a separate species from <i>Carpathonesticus biroi</i> ?
11	Serban R., G.M. Sitar, C. Sitar	Digitizing to Preserve: The Scientific Value of the Vicol Macrolepidoptera Collection in Biodiversity Conservation
12	Cîmpean M., I. Cucea, B.I. Goia, I.S. Țira, K.P. Battes	Life on the river bottom: the status of benthic invertebrates from the Someşul Mic in the city of Cluj-Napoca (Transylvania, Romania)
13	Isac M.C.	Investigation of the Effects of Mansorin on Memory Processes in a Zebrafish (<i>Danio rerio</i>) Animal Model
14	Palii P., I.V. Ardelean, A.E. Istrate, L. Peca, I.G. Goia	Assessing Spruce Forest Conservation Status in respect to Lichen flora in the Apuseni Mountains
15	Kemal A.G., B. Drugă, O.M. Sălcudean, M. Benga, A. Dee	Salt shock: testing the limits of freshwater phytoplankton
16	Gălean M., T. Sbărna, I. Cumpătă, I.M. Haşu, C. Timar, D. Podar	Optimizing <i>Lotus tenuis</i> Growth and Seed Multiplication for Phytomanagement Applications
17	Romănu R.C., A. Sînitean	The orchid flora of the Iron Gates Natural Park
18	Lombadă E., M. Attila, M. Puşcas	Phytocoenological and population structure characteristics of <i>Lysimachia maritima</i> (L.) Galasso, Banfi & Soldano in Băile Someşeni (Cluj County, Romania)
19	Balázs Z.R., P.D. Turtureanu, D. Podar, B.I. Hurdu, J. Renaud, A. Saillard, S. Bec, P. Choler, M. Puşcas	Assessing climatic and topographic drivers of anatomical trait variation in <i>Carex curvula</i> across the European Alpine System
20	Toth A.F., A. Vădan, A. Moţ, A. Ciorăţă, A.D. Stoica, C. Sevcencu	Design and synthesis of novel ibuprofen-peptide conjugates for enhanced anti-inflammatory activity
21	Stanga M., I., Stîrbu, F. Ranga, A. Stanila, C. Danciu, Z. Diaconeasa	Anticancer and antimicrobial bioactivity of extracts from black tulip, rosa, and peony: an in vitro assessment
22	Rauca V.R.A., Ş. Miron, L. Bălăcescu, O. Bălăcescu, D. Cruceriu	Analysis of whole transcriptome data reveals the role of ELK3 in metastasis-associated processes in triple negative breast cancer
23	Ucu M.F., S. Toth, A.D. Stoica, Nicoleta. E.	SERS evaluation of anti-inflammatory activity of protein-based non-steroidal anti-inflammatory drug (NSAID) conjugates
24	Moldoveanu C.A., R. Moldovan, L. Bogos, C. Iuga, I. Roman, B. Sevastre, V.A. Toma	Glycative Stress and Protein Functionality: New Aspects in Parkinson's Disease
25	Nistor D., M. Neacşu, D. Dobos, Z. Diaconeasa, D. Cruceriu	In vitro evaluation of the antitumor potential of dietary polyphenolic extracts on colorectal cancer cells
26	Năstasie A.I., A. Elbahnsi, M. Miteva, A. Isvoran	Structural effects of P-glycoprotein missense mutations and pathogenicity of allelic variants
27	Marinescu M.M., D. Dobos, Ş. Miron, L. Bălăcescu, Z. Diaconeasa, O. Bălăcescu, D. Cruceriu	Transcriptomic modulation in response to in vitro digested red cabbage-derived anthocyanins treatment in colorectal cancer cells
28	Danel E., C. Urduiza, Z. Pinter, V. Bodolică, C. Dobrinescu, M. Duca, B. Kelemen	Paleopathological Finds from Medieval Capidava
29	Rus D.D., C.A. Moldoveanu, V. Cojocaru, A. Filip, S. Iancu, V.A. Toma	Haemoprotein glycation: the Achilles heel of carbohydrate metabolism in neurodegeneration?
30	Văcar C.L., K. Viacava, A. Mestrot, M. Părvu, D. Podar	Metal resistance strategies in terricolous micromycete, <i>Fusarium oxysporum</i> P2.7 isolate

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