

BIOTA

BIODIVERSITY, TRADITIONS AND PRESENT EDITION IX

17th of May 2024																			
08:00-09:00	Registration - Science caffe																		
09:00-09:10	Opening Ceremony																		
Plennary session 1 - (AZ) "Emil Racoviță" amphitheatre Chairperson: dr. Alina Sesarman																			
09:10-09:30	Diversity of bat species in a mine gallery at Munții Rodnei National Park and aberrant colouration in <i>Rhinolophus ferrumequinum</i> (Chiroptera) - dr. Ioan Coroiu, Babes-Bolyai University, Cluj-Napoca, Romania																		
09:30-10:00	BMP signaling in safeguarding vascular homeostasis - dr. Roxana Ola, Cardiovascular Pharmacology, Faculty of Medicine Mannheim, Heidelberg University, Heidelberg, Germany																		
10:00-10:30	Composition of the stonefly (Plecoptera) fauna of the Balkans and the Carpathians - dr. David Muranyi, Department of Zoology, Institute of Biology, Eszterházy Károly Catholic University, Eger, Hungary																		
10:30-10:45	Coffee Break - Science caffe																		
Plennary session 2 - (AZ) "Emil Racoviță" amphitheatre Chairperson: dr. Alina Sesarman																			
10:45:11:15	Unseen, unheard: uncovering legislative shortfalls and research communication inadequacies in groundwater copepod conservation - dr. Tiziana Di Lorenzo, Research Institute on Terrestrial Ecosystems of the National Research Council of Italy (IRET CNR), Florence, Italy																		
11:15-11:45	Crayfish & Spatial Ecology: Maximizing the Value of Data for Informed Insights - dr. Lucian Parvulescu, West University of Timisoara, Timisoara, Romania																		
Parallel session																			
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13:00-14:30	Lunch & coffee break - (SZN) "Vasile Radu" hall																		
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14:45-15:00	The Good, the Bad and the Ugly? - Microorganisms associated with cultural heritage - Cristina Mircea	Acclimation ability, life history, and behavioral traits of an endemic copepod species from an Italian karst system - Agostina Tabilio Di Camillo , Diana Maria Paola Galassi and Tiziana Di Lorenzo
15:00-15:15	The transcriptional landscape of cancer stem-like cell functionality in breast cancer - Oana Baldasici , Olga Soritau, Andrei Roman, Carmen Lisencu, Simona Visan, Daniel Cruceriu, Laura Maja, Bogdan Pop, Bogdan Fetica, Andrei Cismaru, Laurian Vlase, Loredana Balacescu, Ovidiu Balacescu, Aman Russom, Oana Tudoran	Insights into crustacean adaptations in the sulfidic mesothermal aquifer from Mangalia (Southern Dobrogea, Romania) - Maria Mirabela Pop , Filip Paul Boancă, Alexandru Sonica, Vlad Alexandru Toma, Rozalia Magda Motoc, Tiziana Di Lorenzo, Radu Silaghi-Dumitrescu, Sanda Iepure
15:15-15:30	Mycoremediation of mercury and metal resistance strategies of a micromycete - Cristina L. Văcar , Karen Viacava, Adrien Mestrot, Marcel Pârveu, and Dorina Podar	Monitoring of groundwater fauna from Vârtop Cave (Apuseni Natural Park, Romania) - Alexandru Orest Sambor , Bianca Șarcani, Aurel Perșoiu, Constantin Marin, Ana Isabel Camacho, Karina Paula Battes, Mirela Cîmpean, Alin Tudorache, Sanda Iepure
15:30-15:45	Insights into Plant Colonization in Mercury-Contaminated Sites: Trace Metals and Rhizosphere Microbiome Interactions - Emanuela D. Tiodar , Cecilia M. Chiriac, Filip Pošćić, Cristina L. Văcar, Zoltán R. Balázs, Cristian Coman, David C. Weindorf, Manuela Banciu, Ute Krämer, Dorina Podar	Morphological examination of green sea turtle (<i>Chelonia mydas</i>) hatchlings from original and relocated nests - Beatrix Takács , Csaba Kiss
15:45-16:00	An <i>in vivo</i> pilot study on the effects of a combined immunotherapy on murine melanoma - Márta-Szilvia Mészáros , Giorgiana-Gabriela Negrea, Stefan Mihai Dragan, Vlad-Alexandru Toma, Emilia Licarete, Laura Patras, Valentin Florian Rauca, Manuela Banciu, Alina Sesarman	The reproduction and early development of <i>Mnemiopsis leidyi</i> (Ctenophora) in the Adriatic Sea - Krisztián Papp , Tjaša Kogovšek
16:00-16:15	Curcumin reverses irinotecan-induced resistance in colorectal cancer cells: molecular insights from whole transcriptomic data - Ștefan Miron , Andrei Ivăncuță, Laura Gavrilaș, Loredana Balacescu, Ovidiu Balacescu, Daniel Cruceriu	Contributions to the aquatic vegetation of the Balta Mică Natural Park of Brăila - Irina Goia
16:15-17:00	Poster session* - Zoological Museum	
	Parallel session	
	Molecular Biotechnology-Health and Environment Chairperson: dr. Dorina Podar (AZ) "Emil Racoviță" amphitheatre	Taxonomy, Ecology and Biodiversity Chairperson: dr. Irina Goia (AFA) "Eugen Pora" amphitheatre
17:00-17:15	Advancing the identification of novel direct gene targets of NODULE INCEPTION, a critical transcriptional regulator in legume-rhizobia symbiosis - Mihaela Gălean , Lisa Frances, Anais Delers and Fernanda de-Carvalho-Niebel	Patterns of habitat use by the brown bear <i>Ursus arctos</i> in the Southern Carpathians revealed by occupancy modelling - Petruța Adelina Elena , Retez Gabriele
17:15-17:30	Redefining rheumatoid arthritis treatment with innovative non-steroidal anti-inflammatory drug (NSAID) formulations - Szilvia H. Toth , Anca D. Stoica, Cristian Sevcencu	Autum bird migration on Chituc Spit: the first ten years - Attila Marton
17:30-17:45	Challenges in molecular barcoding analyses - case study of <i>Austropotamobius bihariensis</i> - Andreea-Monika Lamoly , David Livadariu, Andrei Ștefan, Oana Popa, Elena Iorgu, Lucian Pârvolescu	The Hidden World of Wasp Galls: Insights from Wild Rose Research - Zoltán László, Constantin-Teodor Iordache , Bálint Szilágyi, Borbála Macalik, Mátyás Biró, Marco Nicula, Dorina Podar
17:45-18:00	Deciphering the role of ELK3 transcription factor in triple negative breast cancer metastasis: molecular and cellular insights - Irma-Lidia Szigyártó , Iulia Maria Pop, Alexandrina Burlacu, Loredana Balacescu, Ovidiu Balacescu, Manuela Banciu, Daniel Cruceriu	Interspecific interactions in water birds - Ana-Teodora Ștefan , Alexandru Nicolae Stermin

18:00-18:15	Drug Resistance in Bacterial and Fungal Diversity in Smokers and Non-Smokers- Alexandra - Georgiana Hirișcău , Cristina Mircea	Comparative phylogenetic analyses of phosphofructokinase and hexokinase evolution in several Neognathae avian species - Andreea Horghidan , Adorján Cristea, Alin David
18:15-18:30	Cultivable microbial diversity associated with three Anuran species from Romania - Naomi Bărbosu , Adorján Cristea, Cristina Mircea, Horia Leonard Banciu and Alin David	Immune cell concentrations and cancer mortality risk in mammals - Orsolya Vincze, Csongor I. Vágási, Péter László Pap, Ágnes Szócs, Nándor Erős
18:30-18:45	Iron oxide nanoparticles: How does the size and coating affect the interaction with cancer cells? - Gurgu Raul Andrei , Janosi Anett, Izabell Craciunescu, Ciorita Alexandra	House sparrows on time-restricted diet: effects on body condition, blood glucose and ketone levels - Attila Marton , Zonga Bíró, Attila Fülöp, Roland Kaizer, Gabriella Jákó, Andrea Paula Pál, Péter L. Pap, Csongor I. Vágási
19:15-19:30	Closing ceremony - (AZ) "Emil Racoviță" amphitheatre	
Panel Number	*Poster titles and authors	
1	3D <i>in vitro</i> Model Development to Mimick DOX-Chemoresistant Melanoma Microenvironment - Giorgiana Gabriela Negrea , Szilvia Meszaros, Stefan Drăgan, Vlad-Alexandru Toma, Bogdan-Răzvan Dume, Valentin-Florian Rauca, Laura Pătraș, Emilia Licărete, Manuela Banciu, Alina Sesărman	
2	Ancient biomolecules reveal the past of premodern individuals from southeastern Romania - Diana Ilie , Ioana Drăghici	
3	Comparative analysis of the <i>in vitro</i> effects of resveratrol and genistein on non-small cell lung cancer (NSCLC) cell line A549 - Andrada Ioviță , Cristina Știrbu, Ekaterina Isachesku, Lajos Raduly, Oana Zănoagă, Andreea Nuțu, Ioana Berindan-Neagoe, Daniel Cruceriu	
4	Dopaminergic striatal system lesioned with MPTP: Michaelis-Menten profile on oxidative stress and validation of kinetic data in mice. - Alexandru R. Jurca , Claudia A. Moldoveanu, Ștefan Drăgan, Vlad A. Toma	
5	Enhancing Melanoma Immune Status: Utilizing Extracellular Vesicles Loaded with Curcumin in 3D Models - Stefan Mihai Dragan , Marta-Szilvia Meszaros, Giorgiana-Gabriela Negrea, Vlad-Alexandru Toma, Emilia Licarete, Laura Patras, Valentin Florian Rauca, Manuela Banciu, Alina Sesarman	
6	Expression of cytochrome P450 (CYP2A13) fused to MBP and SKIK - Sebastian Florin Oana , Oana-Raluca Koblicska, Iulia Lupan	
7	Evaluating the toxicity induced by gold nanoparticles in <i>in vivo</i> models: influence of the particle shape - Andreea Vădan , Szilvia Toth, Camelia Dobre, Sanda Boca, Anca Stoica	
8	Halloysite and Aerosil: The impact on melanoma cell cultures - Andrei Violet , Alexandra Ciorita, Anca-Daniela Stoica, Zina Vuluga, Ioan Turcu	
9	Halloysite vs. fibroblasts: Is keratin a good functionalising agent? - Andreea Ureche , Alexandra Ciorita, Anca-Daniela Stoica, Zina Vuluga, Ioan Turcu	
10	<i>In vitro</i> evaluation of oxidative stress induced by halloysite nanotubes in human lung cells line A549 - Larisa-Marta Cighi , Maria Drejoi, Paula Ghiorghiasa, Alexandra Ciorîță, Zina Vuluga, Ioan Turcu, Anca Daniela Stoica	
11	Investigating the Phytoremediation Potential of an Indicator Plant Species in Mercury-Contaminated Soils - Maria-Anastasia Abrudan , Csaba Timár, Mihaela Gălean, Dorina Podar	
12	Macrophage/Neutrophil dialogue in the presence of TNF- α affects the endothelium - Sergiu-Marian Vatamanu , Monica Țucureanu, Andreea Mihăilă, Elena Butoi	
13	MMP-9 as a Candidate Prediagnostic Marker in Parkinson's Disease - Claudia-Andreea Moldoveanu , Alia Colnita, Alexandru Jurca, Ioana Roman, Bogdan Sevastre, Alexandra Sevastre-Berghian, Vlad-Alexandru Toma	
14	Revealing Biogeochemical Microbial Actors in Hypersaline, Meromictic Fără Fund Lake by Meta-Omics - Michalis D. Lazăr , Ionuț M. Gridan, Adrian V. Zety, Horia L. Banciu	
15	Vascular response to sheep poly-Hb in hemorrhagic conditions. The big loser: Dextran 40. - Sergiu Oană , M. Lehene, B. Sevastre, I. Roman, S. Dandea, C. Moldoveanu, M. Muntean, R. Silaghi-Dumitrescu, V. Toma	
16	2D GMM comparison of scute shape changes in green sea turtle (<i>Chelonia mydas</i>) hatchlings from original and relocated nests - Alexandra Kamilla Adilov , Csaba Kiss	
17	A comparative study on the distribution of foliose and fruticose corticolous lichens in the municipality of Cluj-Napoca. - Florin Crișan, Dan Gafta, Bianca Drăgan	
18	Aquatic invertebrate diversity in the Țiganilor Rivulet from the "Alexandru Borza" Botanical Garden, Cluj-Napoca - Sabrina Runcan , Mirela Cîmpean, Adrian Flavian Vrabii, Karina Battes	
19	Conserving hidden plant treasures: the living plant collections in "Alexandru Borza" Botanic Garden - Oana Roșca-Casian , Liliana Jarda, Raluca Cățoiu, Mihai Pușcaș	
20	Differential effects of neutral genetic variation, temperature and drought on the transcriptome of <i>Lobaria pulmonaria</i> - Ioana Ardelean , Mihai Miclăuș, Christoph Scheidegger	
21	Epizoic diatoms found on turtles from different freshwater ecosystems - Iulia-Maria Brătian , Anca-Mihaela Ciorca Șuteu	

22	First record of <i>Atypophthalmus umbratus</i> (de Meijere, 1911) (Diptera, Limoniidae) from Central Europe, a species introduced accidentally throughout global trade of exotic plants - Boróka-Zsuzsánna Jancsó, Marcell Kárpáti , Anna Dénes, Lujza Keresztes
23	Imaginal feeding of twenty-two Japanese endemic winter stoneflies (Plecoptera: Capniidae) - Kristóf Földi , Manuel Jesús López Rodríguez, José Manuel Tierno de Figueroa, Dávid Murányi
24	On the tracks of crayfish evolution: A multidisciplinary approach - Antonio Laza , David Livadariu
25	Possibilities of using herbaria, digital herbaria, and plant databases in botany and biodiversity teaching at Eszterházy Károly Catholic University - Andrea Sass-Gyarmati , Marianna Marschall and Laura Szurofka
26	Preliminary results in the reassessment of Orchidaceae L. family within the Iron Gates Natural Park - Rareş-Ciprian Românu , Adrian Sinitean
27	Preserving Biodiversity: The Role of Museum Collections A Case Study on Moths from the Marg Wladimir Manoliu Lepidoptera Collection at the Zoological Museum of Babeş-Bolyai University Daniela Jitcă , Geanina Sitar, Cristian Sitar
28	Recent advances in the taxonomic revision of the <i>Dendrobaena alpina</i> (Rosa, 1884) species group (Oligochaeta, Lumbricidae) - Tímea Szederjesi , Csaba Csuzdi
29	Skin-associated microbiome of the yellow-bellied toad (<i>Bombina variegata</i>) in a population from Transylvania - Luciana-Paula Botezatu , Adorján Cristea, Horia Leonard Banciu, Alin David
30	Snapshot on large and medium-sized mammals in Ceahlău National Park - Gligor Alexandra , Cristea Adorjan, Alin David
31	Spatial occupancy estimation and modeling of grey wolf (<i>Canis lupus</i>) of the Bükk Mountain in Hungary - Csaba Kiss , Tamás Cserkész
32	Study of the spiders (Arachnida: Araneae) in the Cheile Baciului Reservation - Damian Flavius-Ciprian , István Urák, Teodor Lucian Alexandru
33	The effect of different light treatments for the development of chamomille (<i>Matricaria chamomilla</i> L.) - Annabella Jakab , Erika Péntzesné Kónya
34	The egg collection of the Zoological Museum of Babeş-Bolyai University - Toth-Pál Helga , Kovács Zsolt, Papp Edgár, Zsoldos Melinda, Péntzes Janka, Osváth Gergely
35	The revision of the ornithological collection of the Zoological Museum of Babeş-Bolyai University, Cluj-Napoca, Romania - Zsolt Kovács , Edgár Papp, Janka Péntzes, Zoltán Benkő1, Gergely Osváth
36	Trait comparison between and dependency within three subpopulations of <i>Barbarea vulgaris</i> subsp. <i>lepuznica</i> in Retezat Mountains (Southern Carpathians) - Emilia Aczel , Irina Goia, Rahela Carpa, Claudia Dănău, Dan Gafta

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