

BIOTA

BIODIVERSITY, TRADITIONS AND PRESENT EDITION IX

17th of May 2024

08:00-09:00	Registration - Science caffe	
	Plenary session 1 - (AZ) "Emil Racoviță" amphitheatre Chairperson: dr. Alina Sesarman	
09:00-09:10	Opening - dr. Banciu Manuela	
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	
09:30-10:00	BMP signaling in safeguarding vascular homeostasis - dr. Roxana Ola	
10:00-10:30	Composition of the stonefly (Plecoptera) fauna of the Balkans and the Carpathians - dr. David Muranyi	
10:30-10:45	Coffee Break - Science caffe	
	Plenary 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	
11:15-11:45	Spatial ecology through the eyes of crayfish - dr. Lucian Parvulescu	
	Parallel session	
	Molecular Biotechnology-Health Chairperson: dr. Dorina Podar (AZ) "Emil Racoviță" amphitheatre	Molecular Biotechnology-Environment/ Taxonomy, Ecology and Biodiversity Chairperson: dr. Laszlo Zoltan (AFA) "Eugen Pora" amphitheatre
12:00-12:15	Redesigning non-steroidal anti-inflammatory drugs (NSAIDs) for alleviating side effects - Anca Stoica	Snapless Wonders: Unravelling the Molecular Milestones Behind the Venus Flytrap's Snap Closure Mechanism - Anda Iosip
12:15-12:30	Gene expression-phenotype association study reveals the dual role of TNF- α /TNFR1 signaling axis in confined breast cancer cell migration - Daniel Cruceriu	Modelling progeroid disorders in Drosophila: the Gorab perspective - Levente Kovacs
12:30-12:45	Molecular aspects of doxorubicin resistance in a murine melanoma model - Valentin Rauca	Oxidative state is associated with migration distance, but not traits linked to flight energetics - Csongor Vagasi
12:45-13:00	Reconfiguring extracellular vesicles as drug delivery tools and cell-free based immunotherapy for melanoma treatment - Laura Pătraș	New contributions to vegetation knowledge of Danube Delta - Adrian Oprea, Sirbu C., Doroftei M. & Covaliov
13:00-14:30	Lunch & coffee break - (SZN) "Vasile Radu" hall	
	Parallel session	
	Molecular Biotechnology-Health Chairperson: dr. Daniel Cruceriu (AZ) "Emil Racoviță" amphitheatre	Taxonomy, Ecology and Biodiversity Chairperson: dr. Sanda Iepure, dr. Adrian Oprea (AFA) "Eugen Pora" amphitheatre
14:30-14:45	Unlocking the Past: Exploring the Biocultural Landscape of a Pre-Modern Necropolis in Southeastern Romania - Ioana Drăghici	Deciphering above-treeline vegetation greenness trends: Insights from the Carpathian Mountains - Turtureanu Pavel-Dan, Bayle Arthur, CNRS, Pușcaș Mihai, Choler Philippe
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 Pârnu, and Dorina Podar	Monitoring of groundwater fauna from Vârtope 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 Gavrilas, 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 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	Autumn 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 Pârvulescu	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 Hirșcău , Cristina Mircea	Immune cell concentrations and cancer mortality risk in mammals - Orsolya Vincze, Csongor I. Vágási, Péter László Pap, Ágnes Szócs, Nándor Erős
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	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

18:30-18:45	Comparative phylogenetic analyses of phosphofructokinase and hexokinase evolution in several Neognathae avian species - Andreea Horghidan , Adorján Cristea, Alin David	
18:45-19:00	Iron oxide nanoparticles: How does the size and coating affect the interaction with cancer cells? - Gurgu Raul Andrei , Janosi Anett, Izabell Craciunescu, Ciorita Alexandra	
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 in vitro 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	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	
5	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	
6	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 Licărete, Laura Patras, Valentin Florian Rauca, Manuela Banciu, Alina Sesarman	
7	Expression of cytochrome P450 (CYP2A13) fused to MBP and SKIK - Sebastian Florin Oana , Oana-Raluca Koblicska, Iulia Lupan	
8	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	
9	Halloysite and Aerosil: The impact on melanoma cell cultures - Andrei Violet , Alexandra Ciorita, Anca-Daniela Stoica, Zina Vuluga, Ioan Turcu	
10	Halloysite vs. fibroblasts: Is keratin a good functionalising agent? - Andreea Ureche , Alexandra Ciorita, Anca-Daniela Stoica, Zina Vuluga, Ioan Turcu	
11	<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	
12	Investigating the Phytoremediation Potential of an Indicator Plant Species in Mercury-Contaminated Soils - Maria-Anastasia Abrudan , Csaba Timár, Mihaela Gălean, Dorina Podar	
13	Macrophage/Neutrophil dialogue in the presence of TNF- α affects the endothelium - Sergiu-Marian Vatamanu , Monica Țucureanu, Andreea Mihăilă, Elena Butoi	
14	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	
15	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	
16	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.	
17	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	
18	A comparative study on the distribution of foliose and fruticose corticolous lichens in the municipality of Cluj-Napoca. - Florin Crișan, Dan Gafta, Bianca Drăgan	
19	Aquatic invertebrate diversity in the Țiganilor Rivulet from the "Alexandru Borza" Botanical Garden, Cluj-Napoca - Sabrina Runcan , Mirela Cîmpean, Adrian Flavian Vrabii, Karina Battes	
20	Conserving hidden plant treasures: the living plant collections in "Alexandru Borza" Botanic Garden - Oana Roșca-Casian , Liliana Jarda, Raluca Cățoiu, Mihai Pușcaș	
21	Differential effects of neutral genetic variation, temperature and drought on the transcriptome of Lobaria pulmonaria - Ioana Ardelean , Mihai Miclăuș, Christoph Scheidegger	
22	Epizoic diatoms found on turtles from different freshwater ecosystems - Iulia-Maria Brătian , Anca-Mihaela Ciorca Șuteu	
23	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	
24	Imaginal feeding of twenty-two Japanese endemic winter stoneflies (Plecoptera: Capniidae) - Kristóf Földi , Manuel Jesús López Rodríguez, José Manuel Tierno de Figueroa, Dávid Murányi	
25	On the tracks of crayfish evolution: A multidisciplinary approach - Antonio Laza , David Livadariu	

26	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
27	Preliminary results in the reassessment of Orchidaceae L. family within the Iron Gates Natural Park - Rareş-Ciprian Românu , Adrian Sinitean
28	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 Jiţcă , Geanina Sitar, Cristian Sitar
29	Recent advances in the taxonomic revision of the <i>Dendrobaena alpina</i> (Rosa, 1884) species group (Oligochaeta, Lumbricidae) - Tímea Szederjesi , Csaba Csuzdi
30	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
31	Snapshot on large and medium-sized mammals in Ceahlău National Park - Gligor Alexandra , Cristea Adorjan, Alin David
32	Spatial occupancy estimation and modeling of grey wolf (<i>Canis lupus</i>) of the Bükk Mountain in Hungary - Csaba Kiss , Tamás Cserkész
33	Study of the spiders (Arachnida: Araneae) in the Cheile Baciului Reservation - Damian Flavius-Ciprian , István Urák, Teodor Lucian Alexandru
34	The effect of different light treatments for the development of chamomille (<i>Matricaria chamomilla</i> L.) - Annabella Jakab , Erika Péntesné Kónya
35	The egg collection of the Zoological Museum of Babeş-Bolyai University - Toth-Pál Helga , Kovács Zsolt, Papp Edgár, Zsoldos Melinda, Péntes Janka, Osváth Gergely
36	The revision of the ornithological collection of the Zoological Museum of Babeş-Bolyai University, Cluj-Napoca, Romania - Zsolt Kovács , Edgár Papp, Janka Péntes, Zoltán Benkő1, Gergely Osváth
37	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