

# New Trends in the Biological and Ecological Research

November 8 – 10, 2012, Grand Hotel Kempinski High Tatras, Slovak Republic

## PROGRAM

**Thursday, 8.11.2012**

9.00-11.00	<b>Registration</b>	
11.00-11.30	<b>Official opening</b> <i>René Matlovič, rector, University of Prešov in Prešov, Slovak Republic</i> <i>Nadežda Krajčová, dean, Faculty of Humanities and Natural Sciences, University of Prešov in Prešov, Slovak Republic</i> <i>Ivan Bernasovský, director, Excellence Center of Animal Human Ecology, University of Prešov in Prešov, Slovak Republic</i>	
11.30-14.00	<b>Plenary session</b>	<i>Chair: Šalamon</i>
	<b>Molecular markers of cells, organisms and ecosystems</b> <i>Ivan Lefkowitz (University Hospital Basel, Switzerland)</i>	
	<b>Nature's Contribution to Pharmacy and Ecological Balance</b> <i>Ilkay Erdogan Orhan (Eastern Mediterranean University, Turkey)</i>	
	<b>Biodiversity and Ethnobotany and the Search for New Drugs</b> <i>Vincenzo De Feo (Universita degli Studi di Salerno, Italy)</i>	
	<b>A procession of Lemmings: why ecology in Central Europe is (generally) unsuccessful?</b> <i>Piotr Tryjanowski (Poznan University of Life Science, Poland)</i>	
14.00-15.00	<b>Lunch</b>	
	<b>Ecology</b>	<b>Biology</b>
15.00-16.30	<b>Presentations</b> <i>Chair: Orhan, Poráčová</i>	<i>Chair: Lefkowitz, Bernasovská</i>
	<b>Ecological Factors Affecting Secondary Metabolite Content and Composition in Medicinal and Aromatic Plants</b> <i>Nazim Sekeroglu (Kilis 7 Aralik University, Turecko)</i>	<b>Sequencing by Oligonucleotide Ligation and Detection (SOLiD)</b> <i>Lucia Kuliková (University of Presov, SR)</i>
	<b>Anthocyanins – natural components and their advantages of plant &amp; man</b> <i>Ivan Šalamon (University of Presov, SR)</i>	<b>Application of SOLiD sequencing technology in research</b> <i>Martin Kello (University of Presov, SR)</i>
	<b>Extraction and isolation of anthocyanins from ecologically pure plant materials of Carpathian region</b> <i>Ruslan Mariychuk (Uzhgorod National University, Ukrajina)</i>	<b>The importance of mtDNA derived from ancient samples</b> <i>Melinda Nagy (J. Selye University, SR)</i>
	<b>Ecological conditions and a fruit yield in different varieties of blueberry (<i>Vaccinium corymbosum</i> L.)</b> <i>Jozef Fejer (University of Presov, SR)</i>	<b>Comparison of methods of Y-haplogroup determination in the Slovak Romany population</b> <i>Eva Petrejčíková (University of Presov, SR)</i>
16.30-17.00	<b>Coffee break with poster presentation</b>	
17.00-18.30	<b>Presentations</b> <i>Chair: Tryjanowski, Hromada</i>	<i>Chair: Voráček, Boroňová</i>
	<b>Behavioural ecology of ecologists and other animals – implications for future fitness of our science</b> <i>Martin Hromada (University of Presov, SR)</i>	<b>Utilization of Real-time PCR in prediction of the risk of osteoporosis</b> <i>Iveta Boroňová (University of Presov, SR)</i>
	<b>Coexistence of natural clones and biotypes of hybrid complex of genus <i>Cobitis</i> in selective processes</b> <i>Ján Koščo (University of Presov, SR)</i>	<b>Effect of androgen-deprivation therapy on the change of bone density in patients with prostate cancer</b> <i>Liliana Fitusová (Comenius University, SR)</i>
	<b>Autecology of stoneflies (Plecoptera) in Eastern Carpathian stream</b> <i>Peter Manko (University of Presov, SR)</i>	<b>Inherited rare diseases in Roma population</b> <i>Dana Gabriková (University of Presov, SR)</i>

	<b>Waste dumps as hotspots of epigeal macrofauna functional diversity</b> <i>Beáta Baranová (University of Presov, SR)</i>	<b>Molecular studies done with <i>Leucojum vernum</i> (Amaryllidaceae)</b> <i>Mária Tulenková (University of Presov, SR)</i>
19.00	<b>Rout</b>	

### Friday, 9.11.2012

10.00-11.30	<b>Presentations</b> <i>Chair: Monaghan, Tkáčiková</i>	<i>Chair: Bernasovský, Pavúk</i>
	<b>Optimalizácia lyofilizačných procesov pri izolácii prírodných látok</b> <i>Jan Tomasch (Medicproduct, a.s. Lipany, SR)</i>	<b>Effect of occupationally phthalate exposure on pulmonary functions in slovakian plastic industry</b> <i>Tomáš Pilka (Constantine the Philosopher University of Nitra, SR)</i>
	<b>Antimicrobial properties of anthocyanin extract prepared from berries by ethanol and acetone extraction</b>  <i>Ludmila Tkáčiková (University of Veterinary Medicine and Pharmacy, SR)</i>	<b>Case report: Atypical cranial finding of individual from St. Emmeram Cathedral, Nitra, Slovakia (14th – 18th century AD)</b>  <i>(Constantine the Philosopher University of Nitra, SR)</i>
	<b>Antioxidant properties of blueberry extracts and juice (<i>Vaccinium corymbosum</i> L.)</b>  <i>Janka Poráčová (University of Presov, SR)</i>	<b>Birth weight of Romany and non – Romany newborns depending on the age of mother from Kežmarok district</b>  <i>Silvia Duranková (University of Presov, SR)</i>
	<b>LC/MS-IT-TOF Determination of Anthocyanins in Selected Plant Species</b>  <i>Daniela Gruľová (University of Presov, SR)</i>	<b>Monitoring changes in anthropometric dimensions of Slovak patients' heads with diagnosed craniostenosis before and after surgery</b>  <i>Eva Valachovičová (Comenius University, SR)</i>
11.30-12.00	<b>Coffee break with poster presentation</b>	

12.00-13.45	<b>Presentations</b> <i>Chair: De Feo, Koščo</i>	<i>Chair: Sekeroglu, Gabriková</i>
	<b>Niche overlap of fish species in Bačkovský Brook</b>  <i>Ján Ševc (University of Presov, SR)</i>	<b>The usage of HRM method for molecular genetic analysis of "sports gene" ACTN3</b>  <i>Danica Hronská (University of Presov, SR)</i>
	<b>Effect of habitat conditions for vegetative growth of horsetail (<i>Equisetum arvense</i> L.)</b>  <i>Pavol Labun (University of Presov, SR)</i>	<b>Selected biochemical markers of bone remodeling in postmenopausal women</b>  <i>Marta Blaščáková (University of Presov, SR)</i>
	<b>The effect of hydrodistillation specifics on the yield of essential oil from German Chamomile (<i>Matricaria recutita</i> L.)</b>  <i>Petra Bujňáková (University of Presov, SR)</i>	<b>Sequence analysis of candidate genes in patients with isolated (non-syndromic) hypodontia</b>   <i>Daniela Grejtáková (University of Presov, SR)</i>
	<b>Possibilities of Using Entomopathogenic Fungus in Biological Control of Insects</b>  <i>Silvia Mudrončeková (University of Presov, SR)</i>	<b>Risk factors of obesity</b>   <i>Ivana Sudimáková (University of Presov, SR)</i>
	<b>Biodiversity of quill mites, a little explored group of parasitic mites – from taxonomy to ecology</b>  <i>Miroslava Klimovičová (University of Presov, SR)</i>	<b>Detection of C677T polymorphism in the MTHFR gene and its association with fetal loss</b>   <i>Zuzana Dragunová (University of Presov, SR)</i>
13.45-14.45	<b>Lunch</b>	

14.45-16.30	<b>Special guests</b>  <b>Reflections on digit ratio (2D:4D) research: current knowledge and progress, animal and human studies</b> <i>Martin Voracek (Universität Wien, Austria)</i>	<i>Chair: Šalamon</i>
	<b>Using next-generation sequencing to study freshwater biodiversity</b>  <i>Michael T. Monaghan (Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Nemecko)</i>	
	<b>Introduction of Medicinal and Aromatic Plants-Experiments and Experience</b>  <i>Kišgeci J. (Agricultural Faculty, University of Novi Sad, Serbia)</i>	

16.30-16.45	<b>Closing speech</b>  <i>Ivan Bernasovský, director, Excellence Center of Animal Human Ecology, University of Prešov in Prešov, Slovak Republic</i>
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### Saturday, 10.11.2012

	<b>Excursion:</b> Visit to Agrokarpaty Plavnica Ltd. Company. Visit to camaldulian monastery - Červený Kláštor. Lunch. Note: The excursion fee is 25€ and includes transportation, entries and lunch
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