

Conference Program

Time	Author	Title
		Tuesday, June 30 th
08:00		Registration
08:30		Opening address
08:40	Markéta Pernisová	Cytokinins modulate auxin-induced organogenesis in plants via regulation of the auxin efflux
09:00	Tereza Kolouchová	Identification of genes participating in the regulation of <i>CK11</i> expression using forward genetic approach
09:20	Tomas Klumpler	Crystal structure of CK11 receiver domain from <i>Arabidopsis</i>
09:40	Silvia Gajdošová	How to win a hide-and-seek with cis-zeatin function? By cheating with organogenesis!
10:00	Eva Žížková	Cytokinin N-glucosides: apparently inactive substances exhibiting biological effects
10:20	Alena Reková	Cytokinins can stimulate <i>Arabidopsis</i> hypocotyl elongation at decreased light intensity
10:40		COFFEE BREAK
11:00	Martina Mareckova.	Modulation of cytokinin action by decreased intensity of white light in <i>Arabidopsis</i> – a proteomic analysis
11:20	Martin Černý	Early cytokinin response proteins and phosphoproteins of <i>Arabidopsis thaliana</i> identified by proteome and phosphoproteome profiling
11:40	Jan Novák	Oxidative stress in <i>Nicotiana tabacum</i> with elevated level of cytokinins
12:00	Petra Žádníková	Role of auxin efflux in apical hook development
12:20	Martin Kubeš	<i>PGP4</i> shows both auxin efflux and influx activities in tobacco cells
12:40	Dejana Jurišić-Knežev	Role of Auxin, Auxin-Binding Proteins and Light in the Development of Maize Seedlings
13:00		LUNCH
14:00	Dagmar Buchtová	Strigolactone effect on auxin transport
14:20	Halyna Korovetska	Physiological reaction of <i>Carex hirta</i> L. plants under oil pollution
14:40	Anna Janská	Tissue specific expression profiling in winter barley during cold acclimatization
15:00	Pavla Solnická	Changes of physiological characteristics and biochemical markers of BY-2 suspension culture under the effect of fluoranthene
15:20	Zdeněk Svoboda	The study of effect of elevated boron concentration on plant growth
15:40		COFFEE BREAK
16:00	Andrej Pavlovič	Photosynthesis in response to nutrient uptake in carnivorous pitcher plants of the genus <i>Nepenthes</i> .
16:20	Jan Hlavinka	Photosynthetic responses of susceptible and moderately resistant tomato (<i>Lycopersicon esculentum</i> cv. Amateur a <i>Lycopersicon chmielewskii</i>) plants to tomato powdery mildew (<i>Oidium neolycopersici</i>) infection and heat shock pre-treatment
16:40	Anshu Rastogi	Biophoton emission from radish root suspension

17:00	Rakesh Kumar Sinha	Photoreduction of cytochrome b559 in control and donor side inhibited photosystem II
17:20	Viktor Demko	Gabaculine alters plastid development and expression of the key tetrapyrrole biosynthesis-related proteins
17:50		POSTER SESSION
	Marek Neuberger	Determination of nitrogen dynamics using HYDRUS-2D
	Jaroslav Lang	Fungicides and insecticides effects on photosynthesis and photoprotective mechanisms in <i>A. thaliana</i> under high light and high temperature stress
	Lubomír Smejkal	Levels of polyols and non-structural saccharides in natural and experimentally affected lichens: Case study in <i>Xanthoparmelia somloensis</i>
	Miroslav Srba	Changes of plasmodesmata frequency in differentiating root cortex of <i>Phragmites</i> and maize.
	Jana Štepigová	Does amount of light harvesting complexes play a role in the sensitivity of DCMU-treated <i>Arabidopsis thaliana</i> to high light stress?
	Jaroslav Nisler	Cytokinin receptor antagonists derived from 6-benzylaminopurine
	Daniel Masarovič	Characterization of heavy metals hyperaccumulator <i>Thlaspi caerulescens</i> from Banská Štiavnica
19:00		GET TOGETHER PARTY

Time	Author	Title
		Wednesday, July 1st
08:20	Hana Hoffmeisterova	Expression of the epitope aa 108-120 derived from L2 capsid protein of Human papillomavirus type 16 (HPV16) in transgenic and nontransgenic tobacco plants
08:40	Jaroslava Cieslarová	The risk of genetic erosion during long-term conservation and regeneration process of pea (<i>Pisum sativum</i> L.) genetic resources.
09:00	Jan Hodek	GMO analyses in food and feed products – DNA microarrays as a high throughput approach
09:20	Katerina Vaclavikova	The role of adenine derivatives in infection of plant by <i>Rhodococcus fascians</i>
09:40	Richard Murin	Effect of genotype and auxin type on in vitro regeneration capacity of mature embryos of common wheat (<i>Triticum aestivum</i> L.)
10:00	Renata Kotková	Cryopreservation and plant regeneration of garlic (<i>Allium sativum</i> L.)
10:20		COFFEE BREAK
10:40	Daniela Grufová	The exogenous factors influence on quantitative and qualitative changes of soil organic carbon on selected ecosystems of Slovakia
11:00	Lenka Bobulská	Soil biota and its impact for soil quality preservation in the agroecosystem
11:20	Kristýna Večeřová	Involvement of antioxidants in photoprotection of lichens
11:40	Juraj Piovár	Comparison of metabolic responses of lichens <i>Evernia prunastri</i> (L.) Ach. and <i>Xanthoria parietina</i> (L.) Th. Fr. to nitrogen excess
12:00	Ivana Vantová	Physiological response of lichen <i>Evernia prunastri</i> (L.) Ach. to copper excess
12:20	Katarína Klemová	Cytotoxic effects of usnic acid on free-living alga <i>Scenedesmus quadricauda</i> and lichen photobiont <i>Trebouxia erici</i>
12:40		LUNCH
13:30	Terezie Linhartová	Gibberellin analyses
13:50	Martina Vašková	Low CO ₂ concentration, light intensity and humidity affect stomatal development and patterning in the leaves of <i>Arabidopsis thaliana</i>
14:10	Daniel Vrábl	Response of mesophyll conductance to different CO ₂ concentration and temperature uncovers the mechanism of CO ₂ transport within the leaf mesophyll
14:30		COFFEE BREAK
14:50		CLOSING CEREMONY
15:00		Excursion to the Botanical garden