

## PROGRAMME

<b>24 September 2012 (Monday)</b>	
13.00 - 20.00	Arrivals, registration at hotel Academia, Stara Lesna
19.00 - 22.00	Dinner
21.00	Welcome cocktail

<b>25 September 2012 (Tuesday) – convention hall at hotel Academia</b>		
Chairman	Grego S., Brestič M.	
<b>9.00 - 9.20</b>	<b>Opening</b>	<b>Forewords (Rector of the S.U.A Nitra and President of the ESNA)</b>
9.20- 10.00	Keynote lecture I.	
	Strasser R. J., Krüger G., Chen S., Qiang S.	Crop yield prediction and <i>in situ</i> vitality monitoring of plants, grown photovoltaic Nets, are actual and future topics in precision farming
10.00- 10.40	Keynote lecture II.	
	Shao H.-B., Chu L.-Y., Brestič M.	Plant stress biology in maintaining sustainable development of coastal zone: disciplinary roles and relationship
10.40-10.50	Discussion	
<b>10.50-11.20</b>	<b>Coffee break</b>	
11.20-11.50	Methodological lecture I.	
	Kalaji H. M., Živčák M., Brestič M., Bosa K.	Chlorophyll fluorescence: past, recent and future applications
11.50- 12.20	Methodological lecture II.	
	Vandenhirtz J., Eberius M., Vandenhirtz D., Jung A., Koch M., Specht K.	High-throughput phenotyping – a boost for genomics in the 21 <sup>st</sup> century
12.20- 12.30	Discussion	
<b>12.30- 14.00</b>	<b>Lunch</b>	
<b>SESSION I: ECOLOGY AND CROP PRODUCTIVITY</b>		
Chairman	Strasser R., Kalaji H.	
<b>Session I</b>	<b>Topic I</b>	<b>Plant stress biology and climate change</b>
14.00-14.20	Vankova R. et al.	Plant hormone dynamics during the cold stress responses of two wheat cultivars, winter Samanta and spring Sandra
14.20-14.40	Zámečník J., Faltus M., Kotková R.	Stresses before and during cryopreservation of plant cultivated <i>in vitro</i>
14.40-15.00	Corneanu M., Corneanu G.C., Crăciun C., Tripon S.	The interaction of the heavy metals and radionuclides with the cell organelles in <i>Zea mays</i> L. leaves
15.00-15.20	Bačkor M., Mihaličová S., Bačkorová M.	Involvement of non-protein thiols in heavy metal tolerance of plants
15.20-15.40	Melnichuk T. N., Sherstoboev	The methodological approach for the study of associative

	N.K., Parkhomenko T.Yu., Kameneva I.A., Tatarin L.N.	microorganisms with plants
<b>15.40- 16.10</b>	<b>Coffee break</b>	
Chairman	Zámečník J., Hejnák V.	
<b>Session I</b>	<b>Topic II</b>	<b>Ecology of crop production</b>
16.10-16.30	Balla J., Medveďová Z., Kalousek P., Reinöhl V., Procházka S.	Competitive canalization of auxin stream controls axillary bud outgrowth initiation
16.30- 16.50	Kocheva K. V., Petrov P. I., Georgiev G. I.,	Relationship between ion leakage and leaf anatomy of young barley plants under drought
16.50- 17.10	Chaikovska L., Solohub N., Baranska M.	Influence of bacterization on the pigments of photosynthesis content and plants growth by the action of heavy metals
17.10-17.30	Radzevičius A., Sakalauskiene S., Dagys M., Simniškis R., Samuolienė G., Brazaitytė A., Karklelienė R., Duchovskis P.	High power microwaves and temperature influence on <i>Lycopersicon esculentum</i> physiological parameters
17.30-17.50	Abdelhamid M., Taie H., Mona G. Dawood M.G., Nassar R.	Physiological, biochemical, and anatomical effects of proline soaking on faba bean ( <i>Vicia faba</i> L.) plants grown under sea water management
17.50- 18.10	Sheřa O., Trhuni S., Shushan H., Fazani G.	Tolerance of mutant lines, wheat, and garden cress to crude oil contaminated soil
18.10-18.30	Kryzhko A.	Ecological aspects of <i>Bacillus thuringiensis</i> application in protection system of potato
<b>18.30- 19.30</b>	<b>Poster Session I</b>	
<b>19.30- 20.30</b>	<b>Dinner</b>	

## 26 September 2012 (Wednesday) - convention hall at hotel Academia

### SESSION I: ECOLOGY AND CROP PRODUCTIVITY

Chairman	Godwin R., Poschl M.	
<b>8.30- 9.10</b>	<b>Keynote lecture I.</b>	
	Grego S.	Toward a sustainable agriculture
<b>9.10- 9.50</b>	<b>Keynote lecture II.</b>	
	Godwin R.	Research techniques for improving crop and soil management
9.50- 10.00	Discussion	
<b>10.00- 10.30</b>	<b>Coffee break</b>	
<b>Session I</b>	<b>Topic III</b>	<b>Crop improvement for managed stress environments</b>
10.30-10.50	Corneanu M., Butnariu M., Petcov A., Danci O., Sarac I., Corneanu G.C.	Evaluation of some Romanian corn ( <i>Zea mays</i> L.) landraces for tolerance to heavy metals (Cd, Pb, Ni)
10.50- 11.10	Hricová A., Keřkeřová M., Gajdořová A.	Development of valuable and high yielding amaranth through induced mutagenesis
11.10- 11.30	Patzak J., Dobřev P., Motyka V.	Differences of endogenous phytohormone levels in dwarf and normal hop ( <i>Humulus lupulus</i> L.) plants
11.30- 11.50	Fātu V., Lupu C.	Designing forest shelter belts to prevent soil erosion
<b>12.00- 13.30</b>	<b>Lunch</b>	

### SESSION II: FOOD, FEED AND BIOENERGY VERSUS SUSTAINABLE AGRICULTURE

Chairman	Licina V., Szczawinska M.	
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Session II	Topic I	Crop management for food, feed and bioenergy production
13.30- 13.50	Galambošová J., Rataj V., Zemko M.	Nitrogen deficiency detection and fertiliser variable rate application in cereals using remote sensing technology
13.50-14.10	Gertsis A., Arpasanu L., Fountas D.	Innovative olive ( <i>Olea europaea</i> L.) production systems under mechanical harvesting: Part 1. Cold tolerance evaluation of two widely used olive varieties
14.10-14.30	Pashtetskyj V.	Technology of growing grain-crops
14.30-14.50	Zeipiņa S, Alsiņa I., Lepse L.	Influence of irrigation system on the dynamic of carotene level in the carrot roots
Session II	Topic II	Ecological and technological aspects of agricultural sustainability, quality of agroecosystems
14.50- 15.10	Manole T., Ionescu-Mălăncuș I., Mărgărit G.	Preliminary risk analysis and assessment of <i>Leptinotarsa decemlineata</i> (Say, 1824) ( <i>Coleoptera:Chrysomelidae</i> ) biological control by inundative releases of <i>Podisus maculiventris</i> (Say, 1832) and the impact upon the arthropods biodiversity in some potato crops from Romania
15.10- 15.30	Bodescu C.I., Tălmaciu N., Tălmaciu M.	Observation regarding the efficacy of Pyrinex 25 CS product to fight against <i>Diabrotica virgifera virgifera</i> LE Conte species from maize crops
<b>15.30- 16.00</b>	<b>Coffee break</b>	
Session II	Topic III	Food production, quality, preservation and safety
16.00- 16.20	Hauptvogel P., Jezerská Z., Bielíková M., Gregová E.	Characterization of quality and genetic identification of Uzgen rice
16.20- 16.40	Červinková A., Pöschl M.	Radiocaesium in selected forest and non-forest berries
16.40- 17.00	Szczawińska M. E., Szczawiński J.	Effect of storage temperature on survival rate of <i>Salmonella enteritidis</i> in kefir after fermentation
17.00- 17.20	Natonek-Wiśniewska M., Krzyściń P.	Method for species identification of animal components in commercial samples of pet food
17.20- 17.40	Wtulich J., Metera A., Mazur K., Gajc-Wolska J	Content of chlorophyll and carotenoids in dry Dill ( <i>Anethum graveolens</i> L.) depending on drying method
<b>18.00- 19.00</b>	<b>Poster Session II</b>	
<b>19.00- 20.30</b>	<b>Dinner</b>	

## 27 SEPTEMBER 2012 (THURSDAY)

<b>8.00</b>	<b>SOCIAL PROGRAMME (EXCURSIONS)</b>
<b>19.00</b>	<b>CONFERENCE DINNER (ROUT)</b>

## 28 SEPTEMBER 2012 (FRIDAY) - convention hall at hotel Academia

<b>SESSION III: WORKSHOP - RECENT ADVANCES IN PLANT BIOTECHNOLOGY</b>		
Chairman	Salaj J.	
<b>8.30- 9.10</b>	<b>Keynote lecture I.</b>	
	Sangwan R. S., Sarazin V., Sangwan-Norreel B. S.	Plant regeneration <i>in vitro</i> : from art to science
<b>9.10- 9.50</b>	<b>Keynote lecture II.</b>	
	Jain S.M.	Genetic improvement of crops under the climate conditions by mutagenesis and biotechnology
<b>9.50- 10.30</b>	<b>Keynote lecture III.</b>	

	Rai M., Gade A.	Green nanobiotechnology: Phytosynthesis of metal nanoparticles and their applications
10.30-10.40	Discussion	
10.40-11.10	<b>Coffee break</b>	
<b>Session III</b>	<b>Topic I</b>	<b>Morphogenesis and embryogenesis <i>in vitro</i></b>
11.10-11.30	Fira A., Clapa D., Rakosy-Tican E.	Studies for the micropropagation of <i>Amelanchier canadensis</i> cultivar 'Rainbow Pillar'
11.30- 11.50	Lucini L., Pellizzoni M., Molinari G.P.	Profile of Aloe secondary metabolites and <i>in vitro</i> assessment of radical scavenging activity by membrane lypoperoxidation
<b>Session III</b>	<b>Topic II</b>	<b>Genetic transformation strategies for plant improvement</b>
11.50- 12.10	Latečková M., Libiaková G., Moravčíková J., Gajdošová A.	Genetic transformation of <i>Rubus fruticosus</i> L. mediated by <i>Agrobacterium tumefaciens</i>
12.10- 12.30	Libantová J., Jopčík M.	Isolation and characterization of tissue-specific promoters and their use in biotechnology
<b>12.30- 14.00</b>	<b>Lunch</b>	
<b>14.00- 15.00</b>	<b>Poster Session III</b>	
Chairman	Hricová A.	
<b>Session III</b>	<b>Topic III</b>	<b>Molecular markers in plant breeding</b>
15.00- 15.20	Patzak J., Paprštejn F., Henychová A., Sedlák J.	Determination of genetic diversity structure, apple scab and powdery mildew resistance genes in apple ( <i>Malus x domestica</i> ) genetic resources by molecular markers
<b>Session III.</b>	<b>Topic IV</b>	<b>Applied plant biotechnology</b>
15.20- 15.40	Salaj T., Panis B., Swennen R., Salaj J.	Plant cryopreservation – the method of choice for the long-term storage of plant cells tissues and organs
15.40-16.00	Sedlak J., Paprstein F., Svobodova L.	Results of <i>in vitro</i> thermotherapy and chemotherapy of apple cultivar Jarka
16.00- 16.20	Didovych S., Pashtetskyj V., Kameneva I., Parkhomenko A., Abdurashitov S., Ptashnik O., Saenko N., Gorgul'ko T.	Biotechnology of growing legumes
<b>16.20- 16.40</b>	<b>Symposium closing</b>	
<b>16.40- 17.10</b>	<b>Coffee break</b>	
<b>18.00- 19.30</b>	<b>Dinner</b>	
<b>29 SEPTEMBER 2012 (SATURDAY)</b>		
<b>Departures</b>		