

## **Publikácie / Publications**

**Department: SAVGEBIO - Ústav genetiky a biotechnológií rastlín SAV**  
**Year of publication 2012~2015**

### **Statistics publication category**

AAB	Scientific monographs published in Slovak publishing houses	1
ABC	Chapters in scientific monographs published abroad	2
ACB	Academic/university textbooks published in Slovak publishing houses	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	51
ADCB	Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)	1
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	4
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	5
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	19
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	7
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	2
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	4
AEC	Scientific papers in foreign peer-reviewed proceedings, monographs	7
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	7
AED	Scientific papers in domestic peer-reviewed proceedings, monographs	8
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	8
AEDB	Shorter scientific papers or academic/university textbooks published separately in Slovak publishing houses	2
AEGA	Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect	5
AEMA	Abstracts of scientific papers published in foreign impacted journals registered in Web of Science Core Collection or Scopus	1
AENA	Abstracts of scientific papers published in domestic impacted journals registered in Web of Science Core Collection or Scopus	1
AFC	Published papers from foreign scientific conferences	1
AFD	Published papers from domestic scientific conferences	5

AFDA	Published papers from international scientific conferences in Slovakia	4
AFE	Abstracts of invited papers from foreign conferences	1
AFG	Abstracts of papers from foreign conferences	63
AFH	Abstracts of papers from domestic conferences	5
AFHA	Abstracts of papers from international conferences in Slovakia	39
AFHB	Abstracts of papers from domestic conferences	17
AFL	Domestic conferences posters	5
AGJ	Patent applications, utility model applications, design applications, trademark applications, applications for granting supplementary protection certificate, applications for registration of topographies of semiconductor products, designations of origin applications, geographical indications of goods and products applications, breeder's certificate applications	1
BCI	University course materials and instructional texts	1
DAI	Dissertations and habilitation theses	5
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	3
<b>Count</b>		<b>286</b>

#### **AAB Scientific monographs published in Slovak publishing houses**

AAB01 BAUER, Miroslav - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - PIRŠELOVÁ, Beáta. *Glukanázy a chitinázy v rastlinných biotechnológiách..* Nitra : Fakulta prírodných vied UKF, 2012. 146 s. ISBN 978-80-558-0199-5.

#### **ABC Chapters in scientific monographs published abroad**

ABC01 KOLTAI, Hinanit - MATÚŠOVÁ, Radoslava - KAPULNIK, Yoram. Strigolactones in Root Exudates as a Signal in Symbiotic and Parasitic Interactions. In *Secretions and Exudates in Biological Systems.* - Berlin : Springer Berlin Heidelberg, 2012, p.49-73. ISBN 978-3-642-23047-9.

ABC02 RUYTER-SPIRA, Carolien - LÓPEZ-RÁEZ, Juan Antonio - CARDOSO, Catarina - CHARNIKHOVA, Tatsiana - MATÚŠOVÁ, Radoslava - KOHLEN, Wouter - JAMIL, Muhammad - BOUTS, Ralph - VERSTAPPEN, Francel - BOUWMEESTER, Harro. Strigolactones: a cry for help results in fatal attraction. Is Escape Possible? In *Isoprenoid Synthesis in Plants and Microorganisms: New Concepts and Experimental Approaches..* - New York : Springer Science+Business Media, 2013, p.199-211. ISBN 978-1-4614-4063-5.

#### **ACB Academic/university textbooks published in Slovak publishing houses**

ACB01 GÁLOVÁ, Zdenka - BALÁŽOVÁ, Želmíra - CHRENEK, P. - CHŇAPEK, Milan - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - SALAJ, Ján - DRÁBEKOVÁ, Janka. *Metódy a techniky génových manipulácií..* Nitra : Slovenská poľnohospodárska univerzita, 2013. ISBN 978-80-522-1092-6.

**ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)**

ADCA01 BLEHO, Juraj - OBERT, Bohuš - TAKÁČ, Tomáš - PETROVSKÁ, Beáta - HEYM, Claudia - MENZEL, Diedrik - ŠAMAJ, Jozef. ER disruption and GFP degradation during non-regenerable transformation of flax with Agrobacterium tumefaciens. In *Protoplasma*, 2012, vol. 249, no. 1, p. 53-63. (1.922 - IF2011). (2012 - Current Contents). ISSN 0033-183X.

ADCA02 BLEHOVÁ, Alžbeta - ŠVUBOVÁ, Renáta - LUKÁČOVÁ, Z. - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Transformation of sundew: pitfalls and promises. In *Plant Cell, Tissue and Organ Culture*, 2015, vol. 120, no. 2, p. 681-687. (2.125 - IF2014). (2015 - Current Contents). ISSN 0167-6857.

ADCA03 BOSZORÁDOVÁ, Eva - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana. Application of Arabidopsis tissue-specific CRUC promoter in the Cre/loxP self-excision strategy for generation of marker-free oilseed rape: potential advantages and drawbacks. In *Acta Physiologiae Plantarum*, 2014, vol. 36, no. 6, p.1399-1409. (1.524 - IF2013). (2014 - Current Contents). ISSN 0137-5881.

ADCA04 DELPORTE, Fabienne - MUHOVSKI, Yordan - PREŤOVÁ, Anna - WATILLON, Bernard. Analysis of expression profiles of selected genes associated with the regenerative property and the receptivity to gene transfer during somatic embryogenesis in *Triticum aestivum* L. In *Molecular Biology Reports*, 2013, vol. 40, no. 10, p. 5883-5906. (2.506 - IF2012). (2013 - Current Contents). ISSN 0301-4851.

ADCA05 DOBROVICZKÁ, Terézia - PIRŠELOVÁ, Beáta - MÉSZÁROS, Patrik - BLEHOVÁ, Alžbeta - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Effects of cadmium and arsenic ions on content of photosynthetic pigments in the leaves of *Glycine max* (L.) Merrill. In *Pakistan Journal of Botany*, 2013, vol. 45, no.5, p. 105-110. (0.872 - IF2012). (2013 - Current Contents). ISSN 0556-3321.

ADCA06 DUBAS, E. - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - BENKOVÁ, E. - ZUR, I. - KRZEWSKA, M. The influence of heat stress on auxin distribution in transgenic B-napus microspores and microspore-derived embryos. In *Protoplasma*, 2014, vol. 251, no. 5, p.1077-1087. (3.171 - IF2013). (2014 - Current Contents). ISSN 0033-183X.

ADCA07 FEKECSOVÁ, Soňa - DANCHENKO, Maksym - UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - HAJDUCH, Martin. Using 7 cm immobilized pH gradient strips to determine levels of clinically relevant proteins in wheat grain extracts. In *Frontiers in Plant Science*, 2015, vol. 6, article 433, eCollection. (3.948 - IF2014). (2015 - Current Contents). ISSN 1664-462X.

ADCA08 FRÁTEROVÁ, Lenka - SALAJ, Terézia - MATUŠÍKOVÁ, Ildikó - SALAJ, Ján. The role of chitinases and glucanases in somatic embryogenesis of black pine and hybrid firs. In *Central European Journal of Biology*, 2013, vol.8, no.12, p.1172-1182. (0.818 - IF2012). (2013 - Current Contents). ISSN 1895-104X.

- ADCA09 GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela - ILIEV, Ivan - HRICOVÁ, Andrea. Adventitious shoots induction of Amaranthus cruentus L. in vitro. In *Propagation of Ornamental Plants*, 2013, vol. 13, no. 1, p. 33-39. (0.492 - IF2012). (2013 - Current Contents). ISSN 1311-9109.
- ADCA10 GAJDOŠOVÁ, Alena - VUJOVIC, Tatjana - SÚKENÍKOVÁ, Miroslava - LIBIAKOVÁ, Gabriela. Improvement of adventitious organogenesis for regeneration of transgenic plants in blackberry. In *GENETIKA-BELGRADE*, 2015, vol. 47, no. 2, p. 599-608. (0.347 - IF2014). ISSN 0534-0012.
- ADCA11 GÁLUSOVÁ, Terézia - RYBANSKÝ, Ľubomír - MÉSZÁROS, Patrik - SPIEĽ, N. - PIRŠELOVÁ, Beáta - KUNA, Roman - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Variable responses of soybean chitinases to arsenic and cadmium stress at the whole plant level. In *Plant Growth Regulation*, 2015, vol. 76, no. 2, p. 147-155. (1.672 - IF2014). (2015 - Current Contents). ISSN 0167-6903.
- ADCA12 GREGOROVÁ, Zuzana - KOVÁČIK, J. - KLEDUS, B. - MAGLOVSKI, Marína - KUNA, Roman - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Drought-Induced Responses of Physiology, Metabolites, and PR Proteins in *Triticum aestivum*. In *Journal of agricultural and food chemistry*, 2015, vol. 63, no. 37, p. 8125-8133. (2.912 - IF2014). (2015 - Current Contents). ISSN 0021-8561.
- ADCA13 HŘIB, Jiří - VOOKOVÁ, Božena - NEDĚLA, Vilém. Imaging of native early embryogenic tissue of Scots pine (*Pinus sylvestris L.*) by ESEM. In *Open Life Sciences*, 2015, vol. 10, no. 1, p. 285-290. (2015 - Current Contents, SCOPUS). ISSN 2391-5412.
- ADCA14 CHEN, T. - WANG, X.H. - VON WANGENHEIM, D. - ZHENG, M.Z. - ŠAMAJ, Jozef - JI, W.Q. - LIN, J.X. Probing and tracking organelles in living plant cells. In *Protoplasma*, 2012, vol. 249, no. 2, p. 157-167. (1.922 - IF2011). (2012 - Current Contents). ISSN 0033-183X.
- ADCA15 JOPČÍK, Martin - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana. Expression pattern of *Arabidopsis thaliana* pollen-and embryo-specific promoter in transgenic tobacco plants. In *Acta Biologica Cracoviensia : series Botanica*, 2014, vol. 56, no. 1, p. 73-79. (0.662 - IF2013). (2014 - Current Contents). ISSN 0001-5296.
- ADCA16 JOPČÍK, Martin - BAUER, Miroslav - MORAVČÍKOVÁ, Jana - BOSZORÁDOVÁ, Eva - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana. Plant tissue-specific promoters can drive gene expression in *Escherichia coli*. In *Plant Cell, Tissue and Organ Culture*, 2013, vol. 113, no. 3, p. 387-396. (3.633 - IF2012). (2013 - Current Contents). ISSN 0167-6857.
- ADCA17 JOPČÍK, Martin - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana. Spacer length-dependent protection of specific activity of pollen and/or embryo promoters from influence of CaMV 35S promoter/enhancer in transgenic plants. In *Plant Cell, Tissue and Organ Culture*, 2014, vol. 118, no. 3, p. 507-518. (2.612 - IF2013). (2014 - Current Contents). ISSN 0167-6857.

- ADCA18 JOPČÍK, Martin - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - ĎURECHOVÁ, Dominika - LIBANTOVÁ, Jana. The expression profile of *Arabidopsis thaliana* beta-1,3-glucanase promoter in tobacco. In *MOLECULAR BIOLOGY*, 2015, vol.49, no.4, p. 543-549. (0.718 - IF2014). ISSN 0026-8933.
- ADCA19 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - BEREZHNA, Valentyna V. - RASHYDOV, N.M. - HAJDUCH, Martin. Radioactive Chernobyl Environment Has Produced High-Oil Flax Seeds That Show Proteome Alterations Related to Carbon Metabolism during Seed Development. In *Journal of Proteome Research*, 2013, vol. 12, no. 11, p. 4799-4806. (5.056 - IF2012). (2013 - Current Contents). ISSN 1535-3893.
- ADCA20 KONOTOP, Yevheniia - MÉSZÁROS, Patrik - SPIEß, Nadine - MISTRÍKOVÁ, Veronika - PIRŠELOVÁ, Beáta - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - TARAN, Natalia - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Defense responses of soybean roots during exposure to cadmium, excess of nitrogen supply and combinations of these stressors. In *Molecular Biology Reports*, 2012, vol.39, no. 12, p. 10077-10087. (2.929 - IF2011). (2012 - Current Contents). ISSN 0301-4851.
- ADCA21 KOPECKÝ, D. - MATUŠÍKOVÁ, Ildikó - SZIDERICS, A.H. - TROGNITZ, F. - SPIEß, N. - STIERSCHNEIDER, M. - FLUCH, S. In silico search for drought-responsive genes in plants on the basis of scientific data: Case study on poplar roots. In *Acta Physiologiae Plantarum*, 2013, vol. 35, no. 6, p. 1955-1966. (1.305 - IF2012). (2013 - Current Contents). ISSN 0137-5881.
- ADCA22 KORMUTÁK, Andrej - VOOKOVÁ, Božena - ČAMEK, Vladimír - SALAJ, Terézia - GALGÓCI, Martin - MAŇKA, Peter - BOLEČEK, P. - KUNA, Roman - KOBLIHA, Jaroslav - LUKÁČIK, Ivan - GÖMÖRY, Dušan. Artificial hybridization of some *Abies* species. In *Plant Systematics and Evolution*, 2013, vol. 299, no. 6, p. 1175-1184. (1.312 - IF2012). (2013 - Current Contents). ISSN 0378-2697.
- ADCA23 KORMUTÁK, Andrej - VOOKOVÁ, Božena - SALAJ, Terézia - ČAMEK, Vladimír - GALGÓCI, Martin - MAŇKA, Peter - BOLEČEK, P. - KUNA, Roman - KOBLIHA, J. Crossability relationships between Noble, Manchurian and Caucasian firs. In *Acta Biologica Cracoviensia.Series Botanica*, 2012, vol. 54, no.2, p. 21-24. (0.565 - IF2011). (2012 - Current Contents). ISSN 0001-5296.
- ADCA24 KORMUTÁK, Andrej - BRANÁ, Martina - MAŇKA, Peter - GALGÓCI, Martin - LIBANTOVÁ, Jana - ČAMEK, Vladimír - BOLEČEK, P. - GÖMÖRY, Dušan. Hybridization processes in putative hybrid swarms of Scots pine and mountain dwarf pine as revealed by chloroplast DNA. In *Acta Biologica Cracoviensia : series Botanica*, 2014, vol. 56, no. 2, p. 1-6. (0.662 - IF2013). (2014 - Current Contents). ISSN 0001-5296.
- ADCA25 LABAJOVÁ, M. - ŽIAROVSKÁ, Jana - RAŽNÁ, Katarína - OVESNÁ, Jaroslava - HRICOVÁ, Andrea. Using of AFLP to evaluate gamma-irradiated amaranth mutants. In *GENETIKA-BELGRADE*, 2013, vol.45, no. 3, p. 825-835. (0.372 - IF2012). ISSN 0534-0012.

- ADCA26 LIU, Q. - ZHANG, Y. - MATÚŠOVÁ, Radoslava - CHARNIKHOVA, T. - AMINI, M. - JAMIL, M. - FERNANDEZ-APARICIO, M. - HUANG, K. - TIMKO, M.P. - WESTWOOD, J.H. - RUYTER-SPIRA, C. - VAN DER KROL, S. - BOUWMEESTER, H.J. *Striga hermonthica MAX2 restores branching but not the Very Low Fluence Response in the Arabidopsis thaliana max2 mutant.* In *New Phytologist*, 2014, vol. 202, no. 2, p. 531-541. (6.373 - IF2013). (2014 - Current Contents). ISSN 0028-646X.
- ADCA27 LÜTHJE, S. - RENAUT, J. - JOB, D. - HAJDUCH, Martin - CARPENTIER, S. - SARKAR, A. - AGRAWAL, R. - DUNN, M.J. - RAKWAL, R. - AGRAWAL, G.K. INPPO2014, First INPPO World Congress on "Plant Proteomics: Methodology to Biology"-A global platform for involving, gathering and disseminating knowledge. In *Proteomics*, 2015, vol. 15, no. 10, p. 1631-7. (3.807 - IF2014). (2015 - Current Contents). ISSN 1615-9853.
- ADCA28 MA, Li - XIEB, Lijun - LINC, Guimei - JIANGA, Shuang - CHENA, Houbin - LI, Huaping - TAKÁČ, Tomáš - ŠAMAJ, Jozef - XUA, Chunxiang. Histological changes and differences in activities of some antioxidant enzymes and hydrogen peroxide content during somatic embryogenesis of Musa AAA cv. Yueyoukang 1. In *Scientia Horticulturae*, 2012, vol.144, p. 87-92. (1.527 - IF2011). (2012 - Current Contents). ISSN 0304-4238.
- ADCA29 MATEO-BONMATI, Eduardo - CASANOVA-SAEZ, Ruben - QUESADA, Viktor - HRICOVÁ, Andrea - CANDELA, Héctor - MICOL, Jose Luis. Plastid control of abaxial-adaxial patterning. In *Scientific Reports*, 2015, vol. 5, article Number: 15975. (5.578 - IF2014). (2015 - Current Contents, Scopus, WOS). ISSN 2045-2322.
- ADCA30 MÉSZÁROS, Patrik - RYBANSKÝ, A. - HAUPTVOGEL, Pavel - KUNA, Roman - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - PIRŠELOVÁ, Beáta - TIRPÁKOVÁ, A. - MATUŠÍKOVÁ, Ildikó. Cultivar-specific kinetics of chitinase induction in soybean roots during exposure to arsenic. In *Molecular Biology Reports*, 2013, vol.40, no. 3, p. 2127-2138. (2.506 - IF2012). (2013 - Current Contents). ISSN 0301-4851.
- ADCA31 MÉSZÁROS, Patrik - RYBANSKÝ, Ľubomír - SPIEĽ, N. - SOCHA, Peter - KUNA, Roman - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - PIRŠELOVÁ, Beáta - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Plant chitinase responses to different metal-type stresses reveal specificity. In *Plant Cell Reports*, 2014, vol.33, no.11, p. 1789-1799. (2.936 - IF2013). (2014 - Current Contents). ISSN 0721-7714.
- ADCA32 MICHALKO, Jaroslav - SOCHA, Peter - BLEHOVÁ, Alžbeta - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Glucan-rich diet is digested and taken up by the carnivorous sundew (*Drosera rotundifolia L.*): implication for a novel role of plant  $\beta$ -1,3-glucanases. In *Planta*, 2013, vol. 238, no. 4, p. 715-725. (3.347 - IF2012). (2013 - Current Contents). ISSN 0032-0935.

- ADCA33 NANJO, Y. - ŠKULTÉTY, Ľudovít - UVÁČKOVÁ, Ľubica - KLUBICOVÁ, Katarína - HAJDUCH, Martin - KOMATSU, S. Mass spectrometry-based analysis of proteomic changes in the root tips of flooded soybean seedlings. In *Journal of Proteome Research*, 2012, vol. 11, no.1, p. 372-385. (5.113 - IF2011). (2012 - Current Contents). ISSN 1535-3893.
- ADCA34 NEDĚLA, V. - HŘIB, J. - VOOKOVÁ, Božena. Imaging of early conifer embryogenic tissues with the environmental scanning electron microscope. In *Biologia Plantarum : international journal*, 2012, vol.56, no.3, p. 595-598. (1.974 - IF2011). (2012 - Current Contents). ISSN 0006-3134.
- ADCA35 OSLOVIČOVÁ, V. - SIMMONDS, J.R. - SNAPE, J.W. - GÁLOVÁ, Zdenka - BALÁŽOVÁ, Z. - MATUŠÍKOVÁ, Ildikó. Molecular Marker-based Characterization of a Set of Wheat Genotypes Adapted to Central Europe. In *Cereal Research Communications*, 2014, vol. 42, no. 2, p.189-198. (0.624 - IF2013). (2014 - Current Contents). ISSN 0133-3720.
- ADCA36 PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. Callose: The plant cell wall polysaccharide with multiple biological functions. In *Acta Physiologiae Plantarum*, 2013, vol. 35, no. 3, p. 635-644. (1.305 - IF2012). (2013 - Current Contents). ISSN 0137-5881.
- ADCA37 POLÓNIOVÁ, Zuzana - JOPČÍK, Martin - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana. The pollen- and embryo-specific Arabidopsis DLL promoter bears good potential for application in marker-free Cre/loxP self-excision strategy. In *Plant Cell Reports*, 2015, vol. 34, no. 3, p. 469-481. (3.071 - IF2014). (2015 - Current Contents). ISSN 0721-7714.
- ADCA38 RASHYDOV, Namik M. - HAJDUCH, Martin. Chernobyl seed project. Advances in the identification of differentially abundant proteins in a radio-contaminated environment. In *Frontiers in Plant Science*, 2015, vol.6, article Number: 493. (3.948 - IF2014). (2015 - Current Contents). ISSN 1664-462X.
- ADCA39 SALAJ, Terézia - MATUŠÍKOVÁ, Ildikó - SWENNEN, Rony - PANIS, Bart - SALAJ, Ján. Long-term maintenance of Pinus nigra embryogenic cultures through cryopreservation. In *Acta Physiologiae Plantarum*, 2012, vol. 34, no. 1, p.227-233. (1.639 - IF2011). (2012 - Current Contents). ISSN 0137-5881.
- ADCA40 SALAVATI, Afshin - SHAFEINIA, Alireza - KLUBICOVÁ, Katarína - BUSHEHRI, Ali A. S. - KOMATSU, S. Proteomic insights into intra- and intercellular plant-bacteria symbiotic association during root nodule formation. In *Frontiers in Plant Science*, 2013, vol. 4, art. 28, p. 1-11.
- ADCA41 SOCHA, Peter - BERNSTEIN, N. - RYBANSKÝ, Ľubomír - MÉSZÁROS, Patrik - GÁLUSOVÁ, Terézia - SPIEß, N. - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Cd accumulation potential as a marker for heavy metal tolerance in soybean. In *Israel Journal of Plant Sciences*, 2015, vol.62, no.3, p. 160-166. (0.319 - IF2014). (2015 - Current Contents). ISSN 0792-9978.

- ADCA42 SPIESS, N. - OUFIR, M. - MATUŠÍKOVÁ, Ildikó - STIERSCHNEIDER, M. - KOPECKÝ, D. - HOMOLKA, A. - BURG, K. - FLUCH, S. - HAUSMAN, J.F. - WILHELM, E. Ecophysiological and transcriptomic responses of oak (*Quercus robur*) to long-term drought exposure and rewetting. In *Environmental and Experimental Botany*, 2012, vol. 77, p. 117-126. (2.985 - IF2011). (2012 - Current Contents). ISSN 0098-8472.
- ADCA43 SÚKENÍKOVÁ, Miroslava - LIBIAKOVÁ, Gabriela - MORAVČÍKOVÁ, Jana - HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena. Agrobacterium tumefaciens-mediated transformation of blackberry (*Rubus fruticosus L.*). In *Plant Cell, Tissue and Organ Culture*, 2015, vol.120, no.1, p.351-354. (2.125 - IF2014). (2015 - Current Contents). ISSN 0167-6857.
- ADCA44 UVÁČKOVÁ, Ľubica - ONDRUŠKOVÁ, Emília - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - MIERNYK, J.A. - HRUBÍK, Pavel - HAJDUCH, Martin. Establishing a Leaf Proteome Reference Map for *Ginkgo biloba* Provides Insight into Potential Ethnobotanical Uses. In *Journal of agricultural and food chemistry*, 2014, vol. 62, no. 47, p. 11547 - 11556. (3.107 - IF2013). (2014 - Current Contents). ISSN 0021-8561.
- ADCA45 UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - BEKEŠOVÁ, Slávka - MCCLAIN, S. - HAJDUCH, Martin. MS(E) Based Multiplex Protein Analysis Quantified Important Allergenic Proteins and Detected Relevant Peptides Carrying Known Epitopes in Wheat Grain Extracts. In *Journal of Proteome Research*, 2013, vol. 12, no..11, p. 4862-4869. (5.056 - IF2012). (2013 - Current Contents). ISSN 1535-3893.
- ADCA46 UVÁČKOVÁ, Ľubica - TAKÁČ, Tomáš - BOEHM, Nils - OBERT, Bohuš - ŠAMAJ, Jozef. Proteomic and biochemical analysis of maize anthers after cold pretreatment and induction of androgenesis reveals an important role of anti-oxidative enzymes. In *Journal of Proteomics*, 2012, vol.75, no.6, p. 1886-1894. (4.878 - IF2011). (2012 - Current Contents). ISSN 1874-3919.
- ADCA47 UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - BEKEŠOVÁ, Slávka - MCCLAIN, S. - HAJDUCH, Martin. The MS(E) - proteomic analysis of gliadins and glutenins in wheat grain identifies and quantifies proteins associated with celiac disease and baker's asthma. In *Journal of Proteomics*, 2013, vol. 93, p. 65-73. (4.088 - IF2012). (2013 - Current Contents). ISSN 1874-3919.
- ADCA48 VARHANÍKOVÁ, M. - UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - PRETOVÁ, Anna - OBERT, Bohuš - HAJDUCH, Martin. Comparative quantitative proteomic analysis of embryogenic and non-embryogenic calli in maize suggests the role of oxylipins in plant totipotency. In *Journal of Proteomics*, 2014, vol. 104, p. 57-65. (3.929 - IF2013). (2014 - Current Contents). ISSN 1874-3919.
- ADCA49 VOOKOVÁ, Božena - HŘÍB, J. - ADAMEC, V. Testing of Algerian fir zygotic and somatic embryos on defence reactions in vitro. In *Plant Soil and Environment*, 2012, vol. 58, no. 2, p. 84-90. (1.078 - IF2011). (2012 - Current Contents). ISSN 1214-1178.

ADCA50 WANG, X.M. - SHI, L. - LIN, G.M. - PAN, X. - CHEN, H.B. - WU, X.Y. - TAKÁČ, Tomáš - ŠAMAJ, Jozef - XU, C.X. A systematic comparison of embryogenic and non-embryogenic cells of banana (*Musa* spp. AAA): Ultrastructural, biochemical and cell wall component analyses. In *Scientia Horticulturae*, 2013, vol.159, p. 178-185. (1.396 - IF2012). (2013 - Current Contents). ISSN 0304-4238.

ADCA51 ZARGRA, S.M. - NAZIR, M. - RAI, V. - HAJDUCH, Martin - AGRAWAL, G.K. - RAKWAL, R. Towards a common bean proteome atlas: looking at the current state of research and the need for a comprehensive proteome. In *Frontiers in Plant Science*, 2015, vol. 6, article Number: 201. (3.948 - IF2014). (2015 - Current Contents). ISSN 1664-462X.

**ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)**

ADCB01 RUŽIĆ, Djurdjina - VUJOVIĆ, Tatjana - CEROVIĆ, Radosav - OSTROLUCKÁ, Mária-Gabriela - GAJDOŠOVÁ, Alena. Micropropagation in vitro of highbush blueberry ( *Vaccinium corymbosum* L. ). In *Acta Horticulturae* 926, Proc. XXVIIIth IHC - International Berry Symposium, 2012, vol.1, p. 265-272. ISSN 0567-7572.

**ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)**

ADDA01 BENEJ, Martin - FEKECSOVÁ, S. - POTURNAJOVÁ, M. Assessing the effect of RET Transmembrane Domain Mutations in receptor self-association capability using the in vivo TOXCAT System. In *Neoplasma*, 2013, vol. 60, no. 1, p. 111-120. (1.574 - IF2012). (2013 - Current Contents). ISSN 0028-2685.

ADDA02 MAŇKA, Peter - KORMUŤÁK, Andrej - GALGÓCI, Martin - GÖMÖRY, Dušan. Genetic status of the putative hybrid swarms of mountain dwarf pine and Scots pine in contact zones of their distribution in Slovakia. In *Biologia*, 2015, vol. 70, no. 10, p. 1318-1325. (0.827 - IF2014). (2015 - Current Contents). ISSN 0006-3088.

ADDA03 PIRŠELOVÁ, Beáta - MISTRÍKOVÁ, Veronika - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Study on metal-triggered callose deposition in roots of maize and soybean. In *Biologia*, 2012, vol. 67, no. 4, p. 698-705. (0.557 - IF2011). (2012 - Current Contents). ISSN 0006-3088.

ADDA04 ZUR, I. - GOLEBIOWSKA, G. - DUBAS, E. - GOLEMIEC, E. - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana. β-1,3-glucanase and chitinase activities in winter triticales during cold hardening and subsequent infection by *Microdochium nivale*. In *Biologia*, 2013, vol. 68, no. 2, p. 241-248. (0.506 - IF2012). (2013 - Current Contents). ISSN 0006-3088.

**ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)**

ADEB01 ASROROV, Akmal - MATUŠÍKOVÁ, Ildikó - ISHIMOV, Uchkun - ZIYAVITDINOV, Jamolitdin - VESHKUROVA, Olga - SALIKHOV, Shavkat. Comparative Analysis of Free Amino Acids and Nitrogen in Cotton Leaves Treated

with Different Classes' Insecticides. In *Agricultural Research*, 2015, vol.4, no. 3, p. 277-282. ISSN 2249-720X.

ADEB02 GRYSHKO, V.M. - SYSHCHYKOV, D.V. - ARTIUSHENKO, T.A. - MATUŠÍKOVÁ, Ildikó. Assessment of cadmium and nickel tolerance of maize cultivars based on root and shoot growth. In *Modern Phytomorphology*, 2013, vol. 4, p. 75-77. (2013 - BASE, CABI, Carlo, DOAJ, DRJI, EBSCO, E-journals, EZB, Google Scholar, IPNI, Vifabio, World Cat.). ISSN 2226-3063.

ADEB03 KONOTOP, Yevheniia - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - BATSMANOVA, Lyudmyla - TARAN, Nataliya. Application of nitrogen nutrition for improving tolerance of soybean seedlings to cadmium. In *Environmental and Experimental Biology*, 2012, vol.10, p. 139-144.

ADEB04 KORMUTÁK, Andrej - VOOKOVÁ, Božena - ČAMEK, Vladimír - MAŇKA, Peter - GALGÓCI, Martin - BRANÁ, Martina - BOLEČEK, P. - ČELKOVÁ, Martina. Molecular diagnosis of Pinus Uncinata growing in Arboretum Mlyňany. = Molekulárna diagnostika jedincov Pinus uncinata v Arboréte Mlyňany. In *Acta Pruhoniciana*, 2012, no. 102, p. 83-85. ISSN 0374-5651.

ADEB05 RUŽIČ, Djurdjina - VUJOVIČ, Tatjana - LIBIAKOVÁ, Gabriela - CEROVIČ, Radoslav - GAJDOŠOVÁ, Alena. Micropropagation in vitro of highbush blueberry (Vaccinium corymbosum L.). In *Journal of Berry Research*, 2012, vol.2, no.2, p. 97-103. ISSN 1878-5093.

**ADFB Scientific papers in other domestic journals not registered in Current Contents  
Connect without IF (non-impacted)**

ADFB01 ĎURECHOVÁ, Dominika - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - JOPČÍK, Martin - LIBANTOVÁ, Jana. In silico analysis of chitinase promoter isolated from Drosera Rotundifolia L. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2014, vol.3, special iss.2, p.71-73. ISSN 1338-5178.

ADFB02 ĎURECHOVÁ, Dominika - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - JOPČÍK, Martin - LIBANTOVÁ, Jana. Isolation and characterization of chitinase gene from the untraditional plant species. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, vol.2, special issue 1, p. 2208-2216. ISSN 1338-5178.

ADFB03 ĎURECHOVÁ, Dominika - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - JOPČÍK, Martin - LIBANTOVÁ, Jana. Sequence analysis of Sundew chitinase gene. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2015, vol.4, special iss.2, p. 4 – 6. ISSN 1338-5178.

ADFB04 GREGOROVÁ, Zuzana - SOCHA, Peter - MAGLOVSKI, Marína - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana - KUNA, Roman - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Wheat pathogen resistance and chitinase profile. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2015, vol. 4, special issue 2, p. 15-18. ISSN 1338-5178.

- ADFB05 KEČKEŠOVÁ, Monika - GÁLOVÁ, Zdenka - HRICOVÁ, Andrea. Changes of protein profiles in amaranth mutant lines. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2012, february Special issue 1, p. 1129-1135. ISSN 1338-5178.
- ADFB06 KEČKEŠOVÁ, Monika - PALENČÁROVÁ, Eva - GÁLOVÁ, Zdenka - GAŽO, Ján - HRICOVÁ, Andrea. Nutritional quality of grain amaranths (*Amaranthus L.*) compared to putative mutant lines. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, vol.2, special issue on BQRMF, p. 1716-1724. ISSN 1338-5178.
- ADFB07 KULLAČOVÁ, Dagmara - MATÚŠOVÁ, Radoslava. Establishment of Phelipanche ramosa tissue culture and effect of kanamycin on culture growth. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2015, vol.4, special iss.2, p. 63-65. ISSN 1338-5178.
- ADFB08 KUŤKA HLOZÁKOVÁ, Timea - POLÓNIOVÁ, Zuzana - MORAVČÍKOVÁ, Jana. Feasibility of hygromycin as a selection agent in Agrobacterium - mediated Transformation of oilseed rape (*Brassica napus L.*). In *Journal of Microbiology, Biotechnology and Food Sciences*. - Nitra : Faculty of Biotechnology and Food Sciences, Slovak University of Agriculture, 2014, vol.3, special iss. 2, . p. 80-83. ISSN 1338-5178.
- ADFB09 KUTSOKON, Natalia - LIBANTOVÁ, Jana - RUDAS, Volodymyr - RASHYDOV, Namik M. - GRODZINSKY, Dmytro - ĎURECHOVÁ, Dominika. Advancing protocols for poplars in vitro propagation, regeneration and selection of transformants. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, vol.2, special issue 1, p. 1447-1454. ISSN 1338-5178.
- ADFB10 LANCÍKOVÁ, Veronika - HLAVAČKOVÁ, Lívia - ŽIAROVSKÁ, Jana - KUBÍKOVÁ, H. - BEŽO, M. - RAŽNÁ, Katarína - DANCHENKO, Maksym - RASHYDOV, N.M. - HAJDUCH, Martin. Analysis of stability of trinucleotide TTC motifs in common flax planted in the Chernobyl area. Lancíková V, Hlavacková L, Ziarovská J, Kubíková H, Bezo M, Ražná K, Danchenko M, Rashydov N, Hajduch M. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2015, vol. 4, special Issue 2, p. 70-72. ISSN 1338-5178.
- ADFB11 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Trehalose-based additive improved inter-primer binding site reactions from recalcitrant plants. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2014, vol.3, special iss.2, p.116-118. ISSN 1338-5178.
- ADFB12 MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana - HAUPTVOGEL, Pavel. Negative effect of metalloid stress on wheat. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2015, vol.4, special issue 2, p. 76-78. ISSN 1338-5178.

- ADFB13 MICHALKO, Jaroslav - MATUŠÍKOVÁ, Ildikó. Study on the role of glucanases in digestion of carnivorous plant Drosera rotundifolia L. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2012, february Special issue:1, p. 671-678. ISSN 1338-5178.
- ADFB14 POLÓNIOVÁ, Zuzana - DUBNICKÝ, Pavol - GÁLOVÁ, Zdenka - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana. Plant transformation vectors and their stability in Agrobacterium tumefaciens. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, vol.2, p. 1559-1568. ISSN 1338-5178.
- ADFB15 POLÓNIOVÁ, Zuzana - JOPČÍK, Martin - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana. Preparation of plant transformation vector containing „self excision” Cre/loxP system. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2012, vol.1, no.4. ISSN 1338-5178.
- ADFB16 POLÓNIOVÁ, Zuzana - MÉSZÁROS, Patrik - MAGLOVSKI, Marína - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana. The activity of Arabidopsis DLL promoter in transgenic tobacco plants under water stress conditions. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2014, vol.3, special iss.2, p.151-154. ISSN 1338-5178.
- ADFB17 VARHANÍKOVÁ, Miroslava - UVÁČKOVÁ, Ľubica - PREŤOVÁ, Anna - OBERT, Bohuš. Arabinogalactan proteins in embryogenic and non-embryogenic maize calli. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, vol.2, p. 2262-2271. ISSN 1338-5178.
- ADFB18 VARHANÍKOVÁ, Miroslava - PREŤOVÁ, Anna - OBERT, Bohuš. Somatic embryogenesis and plant regeneration from immature embryo induced callus of maize (*Zea mays L.*). In *Journal of Microbiology, Biotechnology and Food Sciences*, 2012, vol.1, no.4, p.478-487. ISSN 1338-5178.
- ADFB19 ŽIAROVSKÁ, Jana - ZÁHORSKÝ, Michal - GÁLOVÁ, Zdenka - HRICOVÁ, Andrea. Bioinformatic approach in the identification of Arabidopsis gene homologous in Amaranthus. In *Potravinárstvo : scientific journal of food science*, 2015, vol. 9, no. 1, p. 149-153. ISSN 1337-0960.

**ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus**

- ADMA01 HŘIB, Jiří - ADAMEC, Václav - SEDLÁČEK, Vojtěch - VOOKOVÁ, Božena. Passive defense in somatic embryos of *Abies alba* from two cell lines tested with *Phaeolus schweinitzii*. In *Dendrobiology*, 2013, vol. 70, p. 83-91. (0.447 - IF2012). ISSN 1641-1307.
- ADMA02 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - BEREZHNÁ, V.V. - UVÁČKOVÁ, Ľubica - RASHYDOV, N.M. - HAJDUCH, Martin. Soybeans grown in the Chernobyl area produce fertile seeds that have increased heavy metal resistance and modified. In *PLoS ONE*, 2012, vol. 7, no. 10, p.e 48169 - 11. (4.092 - IF2011). (2012 - MEDLINE). ISSN 1932-6203.

ADMA03 KORMUTÁK, Andrej - GALGÓCI, Martin - MAŇKA, Peter - BOLEČEK, P. - ČAMEK, Vladimír - VOOKOVÁ, Božena - GÖMÖRY, Dušan. Growth characteristics and needle structure in some interspecific hybrids of *Abies cephalonica* Loud. In *Dendrobiology*, 2015, vol.73, no., p.47-53. (0.556 - IF2014). ISSN 1641-1307.

ADMA04 QUESADA, Víctor - SARMIENTO-MAÑÚS, Raguel - GONZÁLEZ-BAYÓN, Rebeca - HRICOVÁ, Andrea - ROSA PONCE, María - LUIS MICOL, José. Porphobilinogen deaminase deficiency alters vegetative and reproductive development and causes lesions in *Arabidopsis*. In *PLoS ONE*, 2013, vol. 8, no. 1, e53378. (3.730 - IF2012). (2013 - MEDLINE). ISSN 1932-6203.

ADMA05 SALAJ, Terézia - MATÚŠOVÁ, Radoslava - SALAJ, Ján. Conifer somatic embryogenesis - an efficient plant regeneration system for theoretical studies and mass propagation. In *Dendrobiology*, 2015, vol. 74, p. 69-76. (0.556 - IF2014). ISSN 1641-1307.

ADMA06 SALAJ, Terézia - FRÁTEROVÁ, Lenka - CÁRACH, Martin - SALAJ, Ján. The effect of culture medium formulation on *Pinus nigra* somatic embryogenesis. In *Dendrobiology*, 2014, vol. 71, p. 119-128. (0.525 - IF2013). ISSN 1641-1307.

ADMA07 VOOKOVÁ, Božena - KORMUTÁK, Andrej. Study of *Abies* somatic embryogenesis and its application. In *Dendrobiology*, 2014, vol. 71, p. 149-157. (0.525 - IF2013). ISSN 1641-1307.

#### **ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus**

ADMB01 KLUBICOVÁ, Katarína - VESEL, Martin - RASHYDOV, Namik M. - HAJDUCH, Martin. Seeds in Chernobyl: the database on proteome response on radioactive environment. In *Frontiers in Plant Science*, 2012, vol.3, article 231, p.1-3.

ADMB02 MATÚŠOVÁ, Radoslava - KULLAČOVÁ, Dagmara - TÓTH, Peter. Response of weedy and non-weedy broomrapes to synthetic strigolactone analogue GR24. In *Journal of Central European Agriculture*, 2014, vol.15, no.4, p.72-82. ISSN 1332-9049.

#### **ADNB Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus**

ADNB01 GALGÓCI, Martin - MAŇKA, Peter - KORMUTÁK, Andrej - ČAMEK, Vladimír - GÖMÖRY, Dušan. Differentiation of some interspecific hybrids of firs (*Abies* sp.) according to the length of primary branches and number of their secondary branches. In *Folia Oecologica*, 2013, vol. 40, no. 2, p. 176-180. (2013 - AGRIS, CAB Abstracts, BioBase, Geobase, Scopus, Engineering Information, ProQuest databases). ISSN 1336-5266.

ADNB02 KORMUTÁK, Andrej - ČAMEK, Vladimír - BRANNÁ, Martina - ČELKOVÁ, Martina - VOOKOVÁ, Božena - MAŇKA, Peter - GALGÓCI, Martin - BOLEČEK, P. - GÖMÖRY, Dušan. Introgressive hybridization between Scots pine and mountain dwarf pine at two localities of northern Slovakia. In *Folia*

*Oecologica*, 2013, vol. 40, no. 2, p. 201-205. (2013 - AGRIS, CAB Abstracts, BioBase, Geobase, Scopus, Engineering Information, ProQuest databases). ISSN 1336-5266.

ADNB03 MAŇKA, Peter - GALGÓCI, Martin - KORMUTÁK, Andrej - ČAMEK, Vladimír - GÖMÖRY, Dušan. Pollen quality in some representatives of the genus Pinus. In *Folia Oecologica*, 2013, vol. 40, no. 1, p. 71-77. (2013 - AGRIS, CAB Abstracts, BioBase, Geobase, Scopus, Engineering Information, ProQuest databases). ISSN 1336-5266.

ADNB04 SALAJ, Terézia - FRÁTEROVÁ, Lenka - CÁRACH, Martin - SALAJ, Ján. Somatic embryogenesis: method for vegetative reproduction of conifers. In *Folia Oecologica*, 2013, vol. 40, no. 2, p. 251-255. (2013 - AGRIS, CAB Abstracts, BioBase, Geobase, Scopus, Engineering Information, ProQuest databases). ISSN 1336-5266.

#### AEC Scientific papers in foreign peer-reviewed proceedings, monographs

AEC01 CÁRACH, Martin - SALAJ, Terézia - MATUŠÍKOVÁ, Ildikó. Somatická embryogenéza ihličnatých drevín a aspekty účinkov iónov tazkých kovov = Growth characteristics of selected cultivars trifolium repens in first development stages. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin* 2012. F. Hnilička, J. Novák, Z. Šlégrová. - Praha : Česká zemědělská univerzita, Výzkumný ústav rostlinné výroby, 2012, p. 107-110. ISBN 978-80-213-2247-9.

AEC02 CÁRACH, Martin - SALAJ, Terézia. Význam in vitro kultúr pri štúdiu účinkov tazkých kovov. = Importance of in vitro cultures in the study the effect of heavy metals. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin* 2013 : 13.-14. 2. 2013. F. Hnilička, J. Novák, Z. Šlégrová. - Praha : Výzkumný ústav rostlinné výroby, Česká zemědělská univerzita, 2013, p. 122-125. ISBN 978-80-7427-131-1.

AEC03 DOBROVICZKÁ, Terézia - PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. Senzitivita vybraných odrôd sóje fazuľovej na ióny kadmia a arzénu = Sensitivity of selected soybean varieties to cadmium and arsenic ions. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin* 2012. F. Hnilička, J. Novák, Z. Šlégrová. - Praha : Česká zemědělská univerzita, Výzkumný ústav rostlinné výroby, 2012, p. 111-114. ISBN 978-80-213-2247-9.

AEC04 KLUBICOVÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Proteomics of field samples in radioactive Chernobyl area. In *Methods in Molecular Biology*. J.V. Jorrin-Novo, S. Komatsu, W. Weckwerth, S. Wienkoop. - Springer Science+Business Media, LLC, 2014, 2014, vol.1072, p.555-561. ISBN 978-1-62703-630-6.

AEC05 MÉSZÁROS, Patrik - PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. Vplyv iónov arzénu na dynamiku rastu koreňov sóje fazuľovej a zmeny v peroxidácii membránových lipidov = Effect of arsenic on the growth dynamics and changes in membrane lipid peroxidation in soybean roots. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin* 2012. F. Hnilička, J. Novák, Z. Šlégrová. - Praha :

Česká zemědělská univerzita, Výzkumný ústav rostlinné výroby, 2012, p. 156-159.  
ISBN 978-80-213-2247-9.

AEC06 SALAJ, Terézia - SALAJ, Ján. Conservation of in vitro propagated plant material by cryopreservation: embryogenic tissues of conifers. = Kryokonzervácia in vitro kultivovaných rastlinných explantátov: embryogénne pletivá ihličnatých drevín. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2013 : 13.-14.* 2. 2013. F. Hnilička, J. Novák, Z. Šlégrová. - Praha : Výzkumný ústav rostlinné výroby, Česká zemědělská univerzita, 2013, p. 95-98. ISBN 978-80-7427-131-1.

AEC07 SALAJ, Terézia - SALAJ, Ján. Structural aspects of hybrid firs somatic embryos during cryopreservation procedure. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2012*. F. Hnilička, J. Novák, Z. Šlégrová. - Praha : Česká zemědělská univerzita, Výzkumný ústav rostlinné výroby, 2012, p. 185-188. ISBN 978-80-213-2247-9.

**AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks**

AECA01 CÁRACH, Martin - MATÚŠOVÁ, Radoslava - LABUN, P. - SALAJ, Terézia. Štrukturálna a fyziologická charakteristika embryogénnych pletív hybridných jedľí po ovplivnení ionmi kadmia. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2015 : sborník recenzovaných vedeckých prací*. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2015, s. 196-198. ISBN 978-80-813-2567-8, 978-80-89408-23-8.

AECA02 FEJÉR, Jozef - PATLEVIČ, Peter - PORUBSKÁ, Janka - HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela. Accumulation of heavy metals Pb and Cd by Amaranthus cruentus L. plants. In *Recent Advances in Neglected and Under-utilized Species Research : October 18-20, 2015*. - Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015, p. 29-30. ISBN 978-80-970662-2-2.

AECA03 HUNKOVÁ, Júlia - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Less-known small fruit species and their propagation using in vitro techniques. In *Recent Advances in Neglected and Under-utilized Species Research : October 18-20, 2015*. - Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015, p. 21-24. ISBN 978-80-970662-2-2.

AECA04 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - BEŽO, M. - RAŽNÁ, Katarína - DANCHENKO, Maksym - RASHYDOV, Namik M. - HAJDUCH, Martin. Pozičné zmeny v i-pbs profiloach ľanu rastúceho v podmienkach Černobylu. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2015 : sborník recenzovaných vedeckých prací*. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2015, s. 219-222. ISBN 978-80-813-2567-8, 978-80-89408-23-8.

AECA05 MÉSZÁROS, Patrik - KUNA, Roman - MATUŠÍKOVÁ, Ildikó. Antioxidačné enzýmy v úlohe markerov citlivosti rastlín na tăžké kovy. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2015 : sborník recenzovaných vedeckých prací*. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa

Slovenskej akadémie vied, 2015, s. 191-195. ISBN 978-80-813-2567-8,  
978-80-89408-23-8.

- AECA06 MÚDRÝ, Pavol - HRICOVÁ, Andrea. Method suitability for isoenzymes determination in amaranth. In *Recent Advances in Neglected and Under-utilized Species Research : October 18-20, 2015*. - Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015, p. 35-38. ISBN 978-80-970662-2-2.
- AECA07 ZÁHORSKÝ, Michal - SOCHA, Peter - GAŽO, Ján - OSTROVSKÝ, Radovan - HRICOVÁ, Andrea. Starch variability in amaranth mutants induced by radiation mutagenesis. In *Recent Advances in Neglected and Under-utilized Species Research : October 18-20, 2015*. - Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015, p. 31-34. ISBN 978-80-970662-2-2.
- AED Scientific papers in domestic peer-reviewed proceedings, monographs**
- AED01 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Výber a optimalizácia najvhodnejšej metódy na extrakciu proteínov zrna pšenice (*Triticum aestivum*). In *Študentská vedecká konferencia PriF UK 2013 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2013, s. 189-193. ISBN 978-80-223-3392-4.
- AED02 GREGOROVÁ, Zuzana - GÁLUSOVÁ, Terézia - HAUPTVOGEL, Pavel - MAGLOVSKI, Marína - MÉSZÁROS, Patrik - KUNA, Roman - MATUŠÍKOVÁ, Ildikó. Drought Effect on Different Varieties of Wheat. In *Scientia iuvenis : book of Scientific Papers*. M. Hudoc, E. Barciková, A. Csaky, P. Švec. - Nitra : Constantine the Philosopher University in Nitra, 2013, p. 107-113. ISBN 978-80-558-0390-6.
- AED03 KORMUTÁK, Andrej - ČAMEK, Vladimír - VOOKOVÁ, Božena - MAŇKA, Peter - GALGÓCI, Martin - BRANÁ, Martina. Hybridné roje borovice lesnej a borovice horskej - kosodreviny na severnom Slovensku = Scotch pine and dwarf pine hybrid swarms in Northern Slovakia. In *Dreviny vo verejnej zeleni : zborník príspevkov z vedeckej konferencie, 18.-19. 6. 2013*. - Nitra : Ústav ekológie lesa SAV Zvolen, Pobočka biológie drevín Nitra : Slovenská spoločnosť pre poľnohospodárske a veterinárske vedy pri SAV, 2013, s. 130-134. ISBN 978-80-89408-16-0.
- AED04 MAŇKA, Peter - GALGÓCI, Martin - KORMUTÁK, Andrej. Genetická premenlivosť v hybridných rojoch borovice horskej ( *Pinus mugo Turra* ) a borovice lesnej ( *Pinus sylvestris L.* ) a kontrolovaných populáciach týchto druhov. = Genetic variability in dwarf mountain pine ( *Pinus mugo Turra* ) and scots pine ( *Pinus sylvestris L.* ) hybrid swarms and in control populations of these species. In *Dendrologické dni v Arboréte Mlyňany SAV 2014 : Prostredie a vitalita drevín*. Zost. Marek Barta, Peter Ferus. - Vieska nad Žitavou : Arborétum Mlyňany SAV, detaš. pracovisko ÚEL SAV Zvolen, 2014, s. 124-130. ISBN 978-80-971113-2-8.
- AED05 MAŇKA, Peter - GALGÓCI, Martin - KORMUTÁK, Andrej. Prvé hodnotenie výskumnej plochy hybridov jedlí ( *Abies spp.* ) v Plaveckom Petri. = The first evaluation of the research plot of hybrid firs ( *Abies spp.* ) in Plavecký Peter. In *Dendrologické dni v Arboréte Mlyňany SAV 2014 : Prostredie a vitalita drevín*.

Zost. Marek Barta, Peter Ferus. - Vieska nad Žitavou : Arborétum Mlyňany SAV, detaš. pracovisko ÚEL SAV Zvolen, 2014, s. 131-137. ISBN 978-80-971113-2-8.

- AED06 MAŇKA, Peter - GALGÓCI, Martin - KORMUTÁK, Andrej. Vnútropopulačná variabilita vo vybraných populáciách borovice horskej (*Pinus mugo Turra*) a borovice lesnej (*Pinus sylvestris L.*) = Intra-population variability in selected Scotch pine (*Pinus sylvestris L.*) and dwarf pine (*Pinus mugo Turra*) populations. In *Dreviny vo verejnej zeleni : zborník príspevkov z vedeckej konferencie, 18.-19. 6. 2013.* - Nitra : Ústav ekológie lesa SAV Zvolen, Pobočka biológie drevín Nitra : Slovenská spoločnosť pre poľnohospodárske a veterinárske vedy pri SAV, 2013, s. 148-153. ISBN 978-80-89408-16-0.
- AED07 VOOKOVÁ, Božena - HŘIB, Jiří - ADAMEC, Václav - SEDLÁČEK, Vojtech - KORMUTÁK, Andrej. Comparison of two embryogenic cell lines of silver fir (*Abies alba Mill.*). = Porovnanie dvoch embryogénnych línií jedle bielej (*Abies alba Mill.*). In *Dendrologické dni v Arboréte Mlyňany SAV 2014 : Prostredie a vitalita drevín*. Zost. Marek Barta, Peter Ferus. - Vieska nad Žitavou : Arborétum Mlyňany SAV, detaš. pracovisko ÚEL SAV Zvolen, 2014, s. 207-210. ISBN 978-80-971113-2-8.
- AED08 ZÁHORSKÝ, Michal - GÁLOVÁ, Zdenka - SALAJ, Terézia. In vitro kultivácia a kryokonzervácia embryogénnych pletív hybridných jedlí. = In vitro cultivation and cryopreservation of embryogenic tissues of hybrid firs. In *Dreviny vo verejnej zeleni : zborník príspevkov z vedeckej konferencie, 18.-19. 6. 2013.* Zost. Katarína Pastirčáková, Miriam Kádasi Horáková. - Nitra : Ústav ekológie lesa SAV Zvolen, Pobočka biológie drevín Nitra : Slovenská spoločnosť pre poľnohospodárske a veterinárske vedy pri SAV, 2013, s. 135-139. ISBN 978-80-89408-16-0.
- AEDA Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks**
- AEDA01 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Vytvorenie 2-DE mapy alergénnych pšeničných proteínov. In *Študentská vedecká konferencia PriF UK 2015 : zborník recenzovaných príspevkov.* - Bratislava : Univerzita Komenského v Bratislave, 2015, s.187-192. ISBN 978-80-223-3859-2.
- AEDA02 GREGOROVÁ, Zuzana - MAGLOVSKI, Marína - MÉSZÁROS, Patrik - KUNA, Roman - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - HAUPTOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Physiological Changes and Chitinases Occurrence in Wheat under Drought. In *Scientia iuvenis : book of scientific papers.* - Nitra : Univerzita Konštantína Filozofa, 2014, p. 44-50. ISBN 978-80-558-0650-1.
- AEDA03 HUNKOVÁ, Júlia - ZÁUJECOVÁ, Marcela - LIBIAKOVÁ, Gabriela. Mikropropagácia Amelanchier alnifolia var. cusickii. In *Študentská vedecká konferencia Fakulty prírodných vied UKF v Nitre 2015 : zborník recenzovaných príspevkov, 15. apríl 2015.* - Nitra : Fakulta prírodných vied, Univerzita Konštantína Filozofa v Nitre, 2015, p. 31-34. ISBN 978-80-558-0791-1.
- AEDA04 HUNKOVÁ, Júlia - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Optimalizácia podmienok pri zakladaní in vitro kultúr Actinidia arguta a Vaccinium

corymbosum. In *Študentská vedecká konferencia PriF UK 2015 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave, 2015, s. 244-249. ISBN 978-80-223-3859-2.

AEDA05 KELEMENOVÁ, Annamária - MÉSZÁROS, Patrik - MORAVČÍKOVÁ, Jana - GREGOROVÁ, Zuzana - KUNA, Roman. Detekcia génov glukanáz v sóji - prehľadávanie databázy. In *Študentská vedecká konferencia Fakulty prírodných vied UKF v Nitre 2015 : zborník recenzovaných príspevkov, 15. apríl 2015*. - Nitra : Fakulta prírodných vied, Univerzita Konštantína Filozofa v Nitre, 2015, p. 43-47. ISBN 978-80-558-0791-1.

AEDA06 KELEMENOVÁ, Annamária - MATUŠÍKOVÁ, Ildikó - MÉSZÁROS, Patrik - MORAVČÍKOVÁ, Jana. Charakteristika rodiny glukanáz v sóji fazuľovej. In *The scientific proceeding of the international network AgroBioNet. Agrobiodiversity: for improving nutrition health and life quality. Part I.* - Nitra : Slovak University of Agriculture, 2015, p. 329-332. ISBN 978-80-552-1379-8.

AEDA07 KOUBOVÁ, Matrina - MICHALKO, Jaroslav - KORMUTÁK, Andrej. Screening of selected Microsatellite Markers for Population Genetic Studies of Hybrid Pines ( *Pinus mugo* x *Pinus sylvestris*). In *Scientia iuvenis : book of scientific papers*. - Nitra : Univerzita Konštantína Filozofa, 2014, p. 118-126. ISBN 978-80-558-0650-1.

AEDA08 SÚKENÍKOVÁ, Denisa - GÖMÖRY, Dušan - KORMUTÁK, Andrej. Fecundity and Seed Quality of Putative Hybrid Swarms of Scots and Mountain Dwarf Pine. In *Scientia iuvenis : book of scientific papers*. - Nitra : Univerzita Konštantína Filozofa, 2014, p. 134-140. ISBN 978-80-558-0650-1.

**AEDB Shorter scientific papers or academic/university textbooks published separately in Slovak publishing houses**

AEDB01 HUNKOVÁ, Júlia - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Mikropagácia Lonicera kamtschatica ( zemolez kamčatský ). In *Mladí vedci – Bezpečnosť potravinového reťazca : zborník príspevkov z VIII. vedeckej konferencie, 12. – 13. november 2015*. - Nitra : Ministerstvo pôdohospodárstva a rozvoja vidieka Slovenskej republiky, 2015, s. 114-118. ISBN 978-80-89738-06-9.

AEDB02 ZÁHORSKÝ, Michal - SOCHA, Peter - GAŽO, Ján - OSTROVSKÝ, Radovan - HRICOVÁ, Andrea. Obsah škrobu a veľkosť škrobových zŕn v semenáčach mutantných genotypov amarantu získaných radiačnou mutagenézou. In *Mladí vedci – Bezpečnosť potravinového reťazca : zborník príspevkov z VIII. vedeckej konferencie, 12. – 13. november 2015*. - Nitra : Ministerstvo pôdohospodárstva a rozvoja vidieka Slovenskej republiky, 2015, s. 277-281. ISBN 978-80-89738-06-9.

**AEGA Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect**

AEGA01 GÁLUSOVÁ, Terézia - PIRŠELOVÁ, Beáta - MÉSZÁROS, Patrik - BOLEČEK, P. Effect of arsenic and cadmium ions on epidermis of soybean leaves. In *Acta Physiologiae Plantarum: Plant functioning under environmental stress*, 2012, vol. 34, suppl 1, p. S 89. (1.639 - IF2011). (2012 - Current Contents). ISSN 0137-5881.

AEGA02 MÉSZÁROS, Patrik - PIRŠELOVÁ, Beáta - GÁLUSOVÁ, Terézia - KUNA, Roman - BOLEČEK, P. - MATUŠÍKOVÁ, Ildikó. The influence of arsenic on activation of chitinases in soybean roots. In *Acta Physiologiae Plantarum: Plant functioning under environmental stress*, 2012, vol. 34, suppl 1, p. S 98. (1.639 - IF2011). (2012 - Current Contents). ISSN 0137-5881.

AEGA03 MORAVČÍKOVÁ, Jana - PIRŠELOVÁ, Beáta - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Accumulation of  $\beta$ - (1,3D)-glucan in roots exposed to heavy metals. In *Chemické listy*, 2012, vol.106, no. 9, p. 862. (0.529 - IF2011). (2012 - Current Contents, WOS, CCC, SCOPUS). ISSN 0009-2770.

AEGA04 PILARSKA, Maria - KONIECZNY, Robert - SALAJ, Ján - MALEC, Przemyslaw - KNOX, J.Paul. Structural and molecular features of somatic embryogenesis in *Trifolium nigrescens*. In *Acta Biologica Cracoviensis : series Botanica*, 2013, vol. 55, suppl. 2, p. 22. (0.612 - IF2012). (2013 - Current Contents). ISSN 0001-5296.

AEGA05 SALAJ, Terézia - SALAJ, Ján. Somatic embryogenesis: a biotechnological approach for conifer trees micropropagation. In *Current Opinion in Biotechnology*, 2013, vol. 24, suppl.1, p. S42. (2013 - Current Contents). ISSN 0958-1669.

**AEMA Abstracts of scientific papers published in foreign impacted journals registered in Web of Science Core Collection or Scopus**

AEMA01 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Preliminary analysis of DNA isolated from flax grown in theradio-contaminated Chernobyl area for six generations suggests the stability of fatty acid desaturase genes. In *XVI. European Congress on Biotechnology - Book of abstracts*. - Edinburg, Scotland, 2014. (2.106 - IF2013). *New Biotechnology*, 2014, vol. 79, no. 6, p. 469. (2.106 - IF2013). (2014 - Current Contents). ISSN 1871-6784.

**AENA Abstracts of scientific papers published in domestic impacted journals registered in Web of Science Core Collection or Scopus**

AENA01 FEJÉR, Jozef - GAJDOŠOVÁ, Alena - HRICOVÁ, Andrea - LIBIAKOVÁ, Gabriela. Amaranth ( *Amaranthus cruentus L.* ) - new variety Pribina. In *Acta Facultatis Pharmaceuticae Universitatis Comenianae*, 2015, supplementum X, p. 23. ISSN 0301-2298.

**AFC Published papers from foreign scientific conferences**

AFC01 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HADUCH, Martin. Proteomics Analysis of Soybean and Flax Adaptation in Radioactive Chernobyl Area. In *Frontiers in Agriculture Proteome Research Contribution of Proteomics Technology in Agricultural Sciences. : proceedings of the 3rd international symposium on " Frontiers in agriculture proteome research" March 2012*. H. P. Mock, Z. Y. Wang, S. Komatsu. - NARO Institute of Crop Science, 2012, p. 72-76.

**AFD Published papers from domestic scientific conferences**

- AFD01        BERČÁK, Michal - HAJDUCH, Martin. Možné problémy súvisiace s 2-DE gélmi v proteomickom výskume. In *Zborník príspevkov 1. konferencie Centra excelentnosti pre bielo-zelenú biotechnológiu : 28. november 2012.* - Bratislava : Chemický ústav SAV, 2012, p. 101-106. ISBN 978-80-971156-1-6.
- AFD02        FEKECSOVÁ, Soňa - HAJDUCH, Martin. Využitie dvojrozmernej elektroforézy pri porovnávaní proteínových máp pšeničného zrna rôznych odrôd. In *Zborník príspevkov 1. konferencie Centra excelentnosti pre bielo-zelenú biotechnológiu : 28. november 2016.* - Bratislava : Chemický ústav SAV, 2012, p.112-114. ISBN 978-80-971156-1-6.
- AFD03        GÁBRIŠOVÁ, Daša - HAJDUCH, Martin. Postgenomická analýza adaptácie ľanu siateho v černobylskej oblasti využitím gélovej proteomiky. In *Zborník príspevkov 1. konferencie Centra excelentnosti pre bielo-zelenú biotechnológiu : 28. november 2012.* - Bratislava : Chemický ústav SAV, 2012, p. 97-100. ISBN 978-80-971156-1-6.
- AFD04        KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HAJDUCH, Martin. Vývin semien ľanu v remediovanej oblasti v blízkosti Černobyľu. In *Zborník príspevkov 1. konferencie Centra excelentnosti pre bielo-zelenú biotechnológiu : 28. november 2012.* - Bratislava : Chemický ústav SAV, 2012, p. 116-119. ISBN 978-80-971156-1-6.
- AFD05        UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - HAJDUCH, Martin. Kvantifikácia pšeničných proteínov rozpustných v alkohole bezgélovou proteomikou s využitím MSE prístupu. In *Zborník príspevkov 1. konferencie Centra excelentnosti pre bielo-zelenú biotechnológiu : 28. november 2012.* - Bratislava : Chemický ústav SAV, 2012, p. 108-111. ISBN 978-80-971156-1-6.
- AFDA Published papers from international scientific conferences in Slovakia**
- AFDA01        GREGOROVÁ, Zuzana - MAGLOVSKI, Marína - MÉSZÁROS, Patrik - KUNA, Roman - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Vplyv sucha na rast, obsah prolínu a fotosyntetických pigmentov v pšenici = Drought efect on growth, content of proline and photosynthetic pigments in wheat. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2014 : recenzovaný sborník příspěvků*. Editor František Hnilička. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2014, s.133-136. ISBN 978-80-213-2475-6, ISBN 978-800-89408-17-7.
- AFDA02        KORMUTÁK, Andrej - BOLEČEK, P. - GALGÓCI, Martin - VOOKOVÁ, Božena - GÖMÖRY, Dušan. Sezónna dynamika aktivity antioxidačných enzymov medzidruhových hybridov jedle bielej (*Abies alba* Mill.) = Seasonal dynamics of antioxidative enzyme activities in the interspecific hybrids of silver fir ( *Abies alba* Mill.). In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2014 : recenzovaný sborník příspěvků*. Editor František Hnilička. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2014, s. 93-96. ISBN 978-80-213-2475-6, ISBN 978-800-89408-17-7.
- AFDA03        MÉSZÁROS, Patrik - KUNA, Roman - MATUŠÍKOVÁ, Ildikó. Vplyv iónov kadmia, niklu a zinku na vybrané ukazovatele rastlinného stresu v koreňoch

kukurice = Influence of ions of cadmium, nickel and zinc on chosen indicators of plant stress in maize roots. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2014 : recenzovaný sborník příspěvků*. Editor František Hnilička. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2014, s.177-181. ISBN 978-80-213-2475-6, ISBN 978-800-89408-17-7.

- AFDA04     SALAJ, Terézia - KORMUTÁK, Andrej - SALAJ, Ján. Somatická embryogenéza jedle bielej (*Abies alba* Mill.): indukcia embryogénnych pletív a ich udržiavanie metódou kryokonzervácie = Somatic embryogenesis in silver fir (*Abies alba* Mill.): initiation of embryogenic tissues and their maintenance by cryopreservation. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2014 : recenzovaný sborník příspěvků*. Editor František Hnilička. - Praha ; Zvolen : Česká zemědělská univerzita v Praze : Ústav ekológie lesa Slovenskej akadémie vied, 2014, s.207-209. ISBN 978-80-213-2475-6, ISBN 978-800-89408-17-7.

#### **AFE Abstracts of invited papers from foreign conferences**

- AFE01     HAJDUCH, Martin. Seven years of plant proteomics in radio-contaminated Chernobyl area. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 54.

#### **AFG Abstracts of papers from foreign conferences**

- AFG01     DANCHENKO, Maksym - KLUBICOVÁ, K. - ŠKULTÉTY, Ľudovít - RASHYDOV, N.M. - HAJDÚCH, M.. Comparative proteomics of developing soybean seeds grown in the contaminated Chernobyl area. In *Book of Abstracts 3rd Annual Conference of the Czech Society for Mass Spectrometry*. - Hradec Králové, 2014, p. Th0 - 014.

- AFG02     DANCHENKO, Maksym - GÁBRIŠOVÁ, Daša - ŠKULTÉTY, Ľudovít - RASHYDOV, N.M. - HAJDUCH, Martin. Objasnenie mechanizmov úspešného rastu a reprodukcie ľanu v kontaminovanom prostredí Černobylu. In *IV. Neformální Proteomicke Setkání - Zborník abstraktů*. - Praha, Česká republika, 2015, p. 32.

- AFG03     ĎURECHOVÁ, Dominika - LIBANTOVÁ, Jana. Isolation and characterization of chitinase from carnivorous plant *Drosera rotundifolia* L. In *Plant transformation technologies III : Vienna International science conferences and events association, 12-14 February 2014*. - Vienna, 2014, p. 34.

- AFG04     FEJÉR, Jozef - GRULOVÁ, D. - GAJDOŠOVÁ, Alena - HRICOVÁ, Andrea - LIBIAKOVÁ, Gabriela - SALAMON, I. Breeding of medicinal and aromatic plants at the Presov University, Slovakia. In *The 29th International Horticultural Congress: Sustaining Lives, Livelihoods and Landscape : 17-22 August 2014*. - Brisbane, 2014, p. 2745.

- AFG05     FEJÉR, Jozef - GAJDOŠOVÁ, Alena - HRICOVÁ, Andrea - LIBIAKOVÁ, Gabriela. Evaluation of amaranth mutant lines (*Amaranthus cruentus* L.) with increased weight of thousand seeds. In *8th CMAPSEEC Conference on Medicinal and Aromatic Plants of Southeast European Countries*. : 19-22 May, 2014. -

Durres : Albanian Academy of Science, Agricultural University of Tirana,  
AMAPSEEC, 2014, p. 285. ISBN 978-99956-10-64-7.

- AFG06        FEKECSOVÁ, Soňa - HAJDUCH, Martin. Proteomic analysis of allergenic proteins in wheat. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 14-15. ISBN 978-963-89129-5-4.
- AFG07        FEKECSOVÁ, Soňa - HAJDUCH, Martin. Proteomic analysis of allergenic proteins in wheat. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 77.
- AFG08        FEKECSOVÁ, Soňa - UVÁČKOVÁ, Ľubica - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - HAJDUCH, Martin. The Analysis of Clinically Relevant Proteins in Wheat Grain Extract. In *Plant Growth, Nutrition & Environment Interaction : International Conference, June 25 - 26, 2015*. - Vienna : VISCEA, 2015, p. 38.
- AFG09        GÁBRIŠOVÁ, Daša - DANCHENKO, Maksym - HAJDUCH, Martin. Proteomic analysis of flax adaptation in Chernobyl area using gel-free and gel-based approach. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 38-39. ISBN 978-963-89129-5-4.
- AFG10        GÁBRIŠOVÁ, Daša - DANCHENKO, Maksym - ŠKULTÉTY, Ludovít - RASHYDOV, Namik M. - HAJDUCH, Martin. Proteomic analysis of seed development of flax grown in radio-contaminated Chernobyl area for three generations. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 101.
- AFG11        GAJDOŠOVÁ, Alena - SÚKENÍKOVÁ, Miroslava - MATÚŠOVÁ, Radoslava - VUJOVIC, Tatjana - LIBIAKOVÁ, Gabriela. Advances in genetic transformation of selected small fruit species. In *1st International Conference on Plant Biology : 20th Symposium of the Serbian Plant Physiology Society, Subotica, June 4-7, 2013*. - Belgrade : Serbian Plant Physiology Society, 2013, p. 12. ISBN 978-86-912591-2-9.
- AFG12        GAJDOŠOVÁ, Alena - HUNKOVÁ, Júlia - RUŽIČ, Durdina - LIBIAKOVÁ, Gabriela. Amelanchier alnifolia var. Cusickii propagation in vitro. In *2st International Conference on Plant Biology - 21th Symposium of the Serbian Plant Physiology Society : COST ACTION FA 1106 QUALITYFRUIT Workshop, 17-20 June, 2015*. - Petnica : Serbian Plant Physiology Society, 2015, p. 21 - 22. ISBN 978-86-912591-3-6.
- AFG13        GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela - SÚKENÍKOVÁ, Miroslava. Clonal propagation and genetic improvement of selected small fruit species through biotechnology approaches. In *A New Approach of the Academic Research in Biology..* - Institute of Biology Bucharest, 2012, p. 32-33. ISBN 978-973-558-655-3.

- AFG14        GAJDOŠOVÁ, Alena - RUŽIČ, Djurdjina - HUNKOVÁ, Júlia -  
LIBIAKOVÁ, Gabriela. The effect of growth regulators and different iron sources  
on shoot proliferation of Amelanchier alnifolia var. Cusickii in vitro. In *The 5th  
International Scientific Conference APPLIED NATURAL SCIENCES 2015  
Perspectives in V4 Countries : September 30 - October 2, 2015.* - Trnava :  
University of SS. Cyril and Methodius, 2015, p.100. ISBN 978-80-8105-723-6.
- AFG15        GÁLUSOVÁ, Terézia - PIRŠELOVÁ, Beáta - BOLEČEK, P. -  
MATUŠÍKOVÁ, Ildikó. Comparison of the plant responses of two soybean  
varieties to cadmium ions. In *Bulletin České společnosti experimentální biologie  
rostlin a Fyziologické sekce Slovenské botanické společnosti*. - Praha, 2012, 2012,  
roč. 12, č. 1, s. 94. ISSN 1213-6670.
- AFG16        GÁLUSOVÁ, Terézia - GREGOROVÁ, Zuzana - KUNA, Roman -  
MATUŠÍKOVÁ, Ildikó. Účinky rôznych dávok vody na pšenicu. = The effect of  
different doses of water on wheat. In *Vliv abiotických a biotických stresorů na  
vlastnosti rostlin 2013 : 13.-14. 2. 2013.* - Praha : Výzkumný ústav rostlinné výroby,  
Česká zemědělská univerzita, 2013, p. 164-167. ISBN 978-80-7427-131-1.
- AFG17        GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - KUNA, Roman -  
RYBANSKÝ, Lubomír - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Water  
deprivation alters PR-amount in wheat. In *Plant Biotechnology: Green for Good III :  
15 - 18 June 2015.* - Olomouc, 2015, p. 78.
- AFG18        HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó - ŠVEC, M. -  
MORAVČÍKOVÁ, Jana - MÉSZÁROS, Patrik - GREGOVÁ, Edita -  
LIBANTOVÁ, Jana. Biological diversity of wheat and its improvement for organic  
agriculture. In *Plant health for sustainable agriculture : 11 - 12 May 2015.* -  
Ljubljana : Kmetijski inštitut Slovenije, 2015, p. 88. ISBN 978-961-6505-72-7.
- AFG19        HRICOVÁ, Andrea - ZÁHORSKÝ, Michal - LIBIAKOVÁ, Gabriela -  
GAJDOŠOVÁ, Alena. Adding Value to Amaranth Grain Through Mutation  
Breeding. In *Plant Growth, Nutrition & Environment Interaction : International  
Conference, June 25 - 26, 2015.* - Vienna : VISCEA, 2015, p. 37.
- AFG20        HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - KEČKEŠOVÁ, Monika -  
SUHAJ, Milan. Boosted nutritional value of amaranth seeds after irradiation. In  
*Plant Growth, Nutrition & Environment Interactions : international Conference,  
February 18-21, 2012 Vienna.* - Vienna, 2012, p. 72.
- AFG21        HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela -  
FEJÉR, Jozef. Development of New Amaranth Variety through Mutagenesis. In *Plant  
Biology Europe FESPB/EPSO 2014 Congress : 22 - 26 June 2014.* - Dublin :  
FESPB/EPSO, 2014, p. 283.
- AFG22        HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela -  
FEJÉR, Jozef - SZABOVÁ, Monika. Characterization of a new amaranth variety  
developed through induced mutagenesis. In *Recent Advances in Neglected and*

*Under-utilized Species Research : October 18-20, 2015.* - Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015, p.19. ISBN 978-80-970662-2-2.

- AFG23        HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela. In Vitro Shoot Multiplication in Vaccinium corymbosum L. and Rubus spp. Cultivars. In *Plant Biology Europe FESPB/EPSO 2014 Congress : 22 - 26 June 2014.* - Dublin : FESPB/EPSO, 2014, p. 321.
- AFG24        HRICOVÁ, Andrea - SZABOVÁ, M. - LIBIAKOVÁ, Gabriela - KLUBICOVÁ, Katarína. PROTEOMICS OF AMARANTH (*Amaranthus cruentus* L.) MATURE SEED. In *Eucarpia International Symposium on Protein Crops - V Meeting AEL : PLANT PROTEINS FOR THE FUTURE, 4 - 7 May 2015.* - Pontevedra, 2015, p. 25.
- AFG25        HUNKOVÁ, Júlia - VRONKOVÁ, Jana - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Comparison of shoot multiplication ability of selected Rubus species and hybrid under in vitro conditions. In *The 5th International Scientific Conference APPLIED NATURAL SCIENCES 2015 Perspectives in V4 Countries : September 30 - October 2, 2015.* - Trnava : University of SS. Cyril and Methodius, 2015, p. 109. ISBN 978-80-8105-723-6.
- AFG26        JOPČÍK, Martin - LIBANTOVÁ, Jana. The CaMV35S promoter modulates the specificity of *Arabidopsis thaliana* pollen - and/or embryo-specific promoters in transgenic plants. In *Plant transformation technologies III : Vienna International science conferences and events association, 12-14 February 2014.* - Vienna, 2014, p. 40.
- AFG27        KLUBICOVÁ, Katarína - UVÁČKOVÁ, Ľubica - SALAJ, Ján - SALAJ, Terézia. Comparative proteomic analysis of embryogenic and non-embryogenic cell lines of *Pinus nigra*. In *COST FA1306 Plant Phenotyping "The quest for tolerant varieties - Phenotyping at plant and cellular level" : 26 - 27 February 2015.* - Carcavelos : ITQB, 2015, p. 26.
- AFG28        KLUBICOVÁ, Katarína - SZABÓOVÁ, M. - ŠKULTÉTY, Ľudovít - LIBIAKOVÁ, Gabriela - HRICOVÁ, Andrea. Characterization of amaranth (*Amaranthus cruentus*) seed proteome. In *Plant Gene Discovery & "Omics" Technologies : Vienna International science conferences and events association, 17-18 February 2014.* - Vienna, 2014, p.45.
- AFG29        KLUBICOVÁ, Katarína - DANCHENKO, Maksym - GÁBRIŠOVÁ, Daša - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HAJDUCH, Martin. Proteome Analysis of Flax Seeds Harvested from Chernobyl Area During Five Generations. In *Plant Growth, Nutrition & Environment Interaction : International Conference, June 25 - 26, 2015.* - Vienna : VISCEA, 2015, p. 29.
- AFG30        KLUBICOVÁ, Katarína - UVÁČKOVÁ, Ľubica - DANCHENKO, Maksym - SALAJ, Ján - SALAJ, Terézia. Proteomická analýza embryogénnych pletív borovice čiernej. In *Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti : Sborník abstraktů - 14. Konference experimentální biologie rostlin, Brno, 8.-11. září 2015 a 13. Dny studentů*

*experimentální biologie rostlin, Brno, 7.-8. září 2015.* - Olomouc : Univerzita Palackého, 2001-, 2015, vol. 15, no. 1, p. 65. ISSN 1213-6670.

- AFG31 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HAJDUCH, Martin. The analysis of flax seeds harvested from Chernobyl area with increased oil content. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 99.
- AFG32 KULLAČOVÁ, Dagmara - RUYTER-SPIRA, Carolien - BOUWMEESTER, Harro - MATÚŠOVÁ, Radoslava. Agrobacterium - mediated transformation of Phelipanche ramosa. In *12th World Congress on Parasitic Plants*. : 15 - 20 July 2013. - Sheffield : The University Of Sheffield, 2013, p.38.
- AFG33 KULLAČOVÁ, Dagmara - MATÚŠOVÁ, Radoslava. Biotechnological approach to control parasitic weeds. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 87-88. ISBN 978-963-89129-5-4.
- AFG34 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Characterization of fatty acid desaturase genes in plants grown in radio-contaminated Chernobyl area. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 72.
- AFG35 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Restriction fragment length polymorphism mapping of flax grown in radio-contaminated Chernobyl environment suggests the stability of delta-12 desaturase and fatty acid desaturase 3C genes. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 64-65. ISBN 978-963-89129-5-4.
- AFG36 LIBANTOVÁ, Jana - ĎURECHOVÁ, Dominika. Search for the genes encoding proteins with antifungal potential. In *Pathogen-informed strategies for sustainable broad-spectrum crop resistance*. : book of abstract COST FA1208, 9th - 11th October 2013. - Birnam : The James Hutton Institute, 2013, p.78.
- AFG37 LIBIAKOVÁ, Gabriela - HUNKOVÁ, Júlia - VUJOVIC, Tatjana - GAJDOŠOVÁ, Alena. Adventitious shoot reganaration in vitro in Prunus sp. In *2st International Conference on Plant Biology - 21th Symposium of the Serbian Plant Physiology Society : COST ACTION FA 1106 QUALITYFRUIT Workshop*, 17-20 June, 2015. - Petnica : Serbian Plant Physiology Society, 2015, p. 24 - 25. ISBN 978-86-912591-3-6.
- AFG38 LIBIAKOVÁ, Gabriela - SÚKENÍKOVÁ, Miroslava - RUŽIC, Durdina - CEROVIC, Radosav - GAJDOŠOVÁ, Alena. Micropropagation of selected Rubus spp. cultivars and comparison of their in vitro shoot proliferation ability. In *1st International Conference on Plant Biology : 20th Symposium of the Serbian Plant*

*Physiology Society, Subotica, June 4-7,2013. - Belgrade : Serbian Plant Physiology Society, 2013, p. 72-73. ISBN 978-86-912591-2-9.*

- AFG39        LIBIAKOVÁ, Gabriela - VUJOVIČ, Tatjana - HUNKOVÁ, Júlia - GAJDOŠOVÁ, Alena. The effect of different iron sources and concentrations on Rubus fruticosus L. shoot proliferation in vitro. In *The 5th International Scientific Conference APPLIED NATURAL SCIENCES 2015 Perspectives in V4 Countries : September 30 - October 2, 2015*. - Trnava : University of SS. Cyril and Methodius, 2015, p. 118. ISBN 978-80-8105-723-6.
- AFG40        MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - HAUPTVOGEL, Pavel - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Impact of suboptimal doses of nitrogen on wheat growth at early developmental stage. In *EUCARPIA Cereals Section - ITMI Joint Conference : Cereals for Food, Feed and Fuel - Challenge for Global Improvement, June 29 - July 4, 2014*. - Wernigerode, 2014, p. 235.
- AFG41        MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - HAUPTVOGEL, Pavel - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Suboptimal doses of nitrogen impact wheat growth and accumulation of defense molecules. In *Plant health for sustainable agriculture : 11 - 12 May 2015*. - Ljubljana : Kmetijski inštitut Slovenije, 2015, p. 109. ISBN 978-961-6505-72-7.
- AFG42        MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana. Antifungal potential of crude protein extract from carnivorous plant Drosera rotundifolia. In *2nd Annual Conference of the SUSTAIN Action. : 15-17 October 2014*. - Zakopane, 2014, p. 46.
- AFG43        MATÚŠOVÁ, Radoslava. Strigolactones and parasitic weeds. In *Advances in Plant Breeding & Biotechnology Techniques. : 27-29 April, 2014*. - Pannonian Plant Biotechnology Association, 2014, p. 66-67. ISBN 978-963-89129-5-4.
- AFG44        MICHALKO, Jaroslav - SOCHA, Peter - MÉSZÁROS, Patrik - BLEHOVÁ, Alžbeta - LIBANTOVÁ, Jana - POLÓNIOVÁ, Zuzana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Studying the β-1,3 glucanase gene from medicinal herb sundew Drosera rotundifolia L. In *Challenges and prospects in PNP metabolic engineering and production : 15. - 17. april 2015*. - Sorrento, 2015, p.33.
- AFG45        MORAVČÍKOVÁ, Jana - PIRŠELOVÁ, Beáta - LIBANTOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Accumulation of β- (1,3D)-glucan in roots exposed to heavy metals. In *Proceedings of the 8th International Conference on Polysaccharides-Glycoscience 2012 : 28-30 november 2012*. - Praha : Czech Chemical Society, 2012, p. 108-110. ISBN 978-80-86238-28-9.
- AFG46        MORAVČÍKOVÁ, Jana - ŽUR, I. - GOLEBIOWSKA, G. - DUBAS, E. - GOLEMIEC, E. - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana. The influence of cold hardening and infection by Microdochium nivale on the β-1,3-glucanase and chitinase activities in winter Triticala (x Triticosecale Wittm.). In *EUCARPIA Cereals Section - ITMI Joint Conference : Cereals for Food, Feed and Fuel* -

*Challenge for Global Improvement, June 29 - July 4, 2014. - Wernigerode, 2014, p. 262.*

- AFG47 PATLEVIČ, P. - FEJÉR, Jozef - PORUBSKÁ, J. - HRICOVÁ, Andrea - GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela. Amaranthus cruentus L. - a potential hyperaccumulator of Pb in contaminated soil. In *New trends in the ecological and biological research : 9. - 11. September, 2015.* - Prešov : University of Prešov, 2015, p.45. ISBN 978-80-555-1354-6.
- AFG48 POLÓNIOVÁ, Zuzana - JOPČÍK, Martin - MORAVČÍKOVÁ, Jana. Cre-mediated pollen - and seed - specific excision of selectable marker gene in tabaco. In *Plant transformation technologies III : Vienna International science conferences and events association, 12-14 February 2014.* - Vienna, 2014, p. 46.
- AFG49 SALAJ, Terézia - KORMUTÁK, Andrej - SALAJ, Ján. Cryopreservation of conifer embryogenic tissues. In *10th International Plant Cold Hardiness Seminar : stress Recognition Triggers Plant Adaptation. 17-21 August, 2014.* - Kórnik - Poznaň : Institute of Dendrology PAS - Faculty of Biology, Adam Mickiewicz University, Committee of Horticulture PAS, 2014, p. 50. ISBN 978-83-932288-9-8.
- AFG50 SALAJ, Terézia - PEŠEK, B. - MALBECK, J. - ELIÁŠOVÁ, K. - VONDRAKOVÁ, Z. - SALAJ, Ján - VÁGNER, M. Endogenous Hormone Levels in Embryogenic and Non-Embryogenic Callus Tissues if Pinus Nigra Arn. In *Plant Growth, Nutrition & Environment Interaction : International Conference, June 25 - 26, 2015.* - Vienna : VISCEA, 2015, p. 37.
- AFG51 SALAJ, Terézia - UVÁČKOVÁ, Ľubica - SALAJ, Ján. Characterisation of Pinus nigra Arn. embryogenic tissue cultured on liquid media. In *COST FA1306 "The quest for tolerant varieties - Phenotyping at plant and cellular level" : WG1 Meeting " Phenotyping: from the lab to the field ", 13-14 November 2014.* - Larnaca : Agricultural Research Institute, 2014, p. 43.
- AFG52 SALAJ, Terézia - UVÁČKOVÁ, Ľubica - KLUBICOVÁ, Katarína - SALAJ, Ján. Potential of somatic embryogenesis for in vitro propagation of conifer trees. In *COST FA1306 "The quest for tolerant varieties - Phenotyping at plant and cellular level" : WG1 Meeting " Phenotyping: from the lab to the field ", 13-14 November 2014.* - Larnaca : Agricultural Research Institute, 2014, p. 19.
- AFG53 SALAJ, Terézia - MATÚŠOVÁ, Radoslava - KORMUTÁK, Andrej - SALAJ, Ján. Somatic embryogenesis for micropropagation of selected conifer species. In *6th International Symposium on Production and Establishment of Micropropagated Plants : 19 - 24 april 2015.* - Sanremo, 2015, p. 119.
- AFG54 SARKER, Martin - MÉSZÁROS, Patrik - MAGLOVSKI, Marína - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Vplyv nadbytku dusíka na rastliny pšenice vo vegetatívnom štádiu. = Molecular aspects of excess nitrogen on wheat plants in the vegetative stage. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2013 : 13.-14. 2. 2013.* - Praha : Výzkumný ústav rostlinné výroby, Česká zemědělská univerzita, 2013, p. 231-234. ISBN 978-80-7427-131-1.

- AFG55 SMYKALOVÁ, Iva - ONDRÁČKOVÁ, Eliška - MATÚŠOVÁ, Radoslava - KOPECKÝ, Jiří - ROZMOŠ, Martin - POSPÍŠIL, Tomáš. Effect of crude algal extracts on germination of parasitic weed seeds, AMF and growth of phytopathogenic fungi. In *The 1st International Congress on Strigolactones : 1-6 March 2015.* - Wageningen, 2015, p. 102.
- AFG56 SMÝKALOVÁ, Iva - KOPECKÝ, Jiří - ONDRÁČKOVÁ, Eliška - MATÚŠOVÁ, Radoslava. Searching for compounds with strigolactone-like biological activities in algae. In *Strigolactones: biological roles and applications : COST ACTION FA1206, 15 - 18 September 2015.* - Bucharest : ICECHIM, 2015, p. 35.
- AFG57 SOCHA, Peter - MÉSZÁROS, Patrik - GÁLUSOVÁ, Terézia - RYBANSKÝ, Ľubomír - SPIESS, Nadine - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Tolerance of Soybean cultivars to different types of (metal) stresses reveal specific patterns. In *1st General Meeting of COST FA 1306 The quest for tolerant varieties – Phenotyping at plant and cellular level : 22 - 24 June 2015.* - Gatersleben, 2015, p. 76.
- AFG58 SÚKENÍKOVÁ, Miroslava - LIBIAKOVÁ, Gabriela - MORAVČÍKOVÁ, Jana - GAJDOŠOVÁ, Alena. Agrobacterium-mediated transformation of Rubus fruticosus L. In *The Student Scientific Conference on Biotechnology & Biomedicine.* - Brno : Masarykova univerzita, 2012, p. 130. ISBN 978-80-210-5811-8.
- AFG59 TOTH, Peter - BOUWMEESTER, Harro - MATÚŠOVÁ, Radoslava. Can flower volatile based evolutionary relationships of broomrapes ( Orobanchaceae ) reflect also germination behavior of single species? In *The 1st International Congress on Strigolactones : 1-6 March 2015.* - Wageningen, 2015, p. 84.
- AFG60 TÓTH, Peter - UNDAS, Anna K. - MATÚŠOVÁ, Radoslava - BOUWMEESTER, Harro. What are the similarities in strigolactone requirements of various broomrapes during the germination? In *Strigolactones: biological roles and applications : COST ACTION FA1206, 15 - 18 September 2015.* - Bucharest : ICECHIM, 2015, p. 19.
- AFG61 UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - BEKEŠOVÁ, Slávka - MCCLAIN, S. - HAJDUCH, Martin. Quantitative MSE Proteomics as a Tool for the Determination of Clinically Relevant Proteins in Wheat Grain. In *HUPO 12th Annual World Congress. : the evolution of technology in proteomics, September 14-18, 2013.* - Pacifico Yokohama, 2013, p. 51.
- AFG62 UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - BEKEŠOVÁ, Slávka - MCCLAIN, S. - HAJDUCH, Martin. The MSE-proteomic analysis of gliadins and glutenins in wheat grain identified and quantified allergen proteins. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology. : 31. 8. - 4. 9. 2014.* - Hamburg : Hosted by the University of Hamburg, 2014, p. 76.
- AFG63 ŽIAROVSKÁ, Jana - RAŽNÁ, Katarína - LABAJOVÁ, M. - BEŽO, M. - GÁLOVÁ, Zdenka - HRICOVÁ, Andrea. Effect of gamma-radiation on ISSR and

AFLP profiles of amaranth when comparing to biochemical analyses. In *EUCARPIA Cereals Section - I T M I Joint Conference : Cereals for Food, Feed and Fuel - Challenge for Global Improvement, June 29 - July 4, 2014.* - Wernigerode, 2014, p. 195.

#### **AFH Abstracts of papers from domestic conferences**

- AFH01 ASROROV, Akmal - MATUŠÍKOVÁ, Ildikó - GÁLOVÁ, Zdenka - DALIMOVA, Surae - KELEMENOVÁ, Annamária - MÉSZÁROS, Patrik - SALIKHOV, Shavkat. Studying the gene family of chitinases in cotton (*Gossypium raimondii*). In *Zborník abstraktov z IX. vedeckej konferencie doktorandov a z XIII. vedeckej konferencie študentov I. a II. stupňa vysokoškolského štúdia s medzinárodnou účasťou : 22. apríl 2015.* - Nitra : Slovenská polnohospodárska univerzita, 2015, p. 32. ISBN 978-80-552-1322-4.
- AFH02 HRICOVÁ, Andrea - GOFFA, Eduard - HOLIČ, Roman - ZÁHORSKÝ, Michal. Kompozícia mastných kyselín v semanoch amarantu po ožiareni = Fatty acids composition of amaranth seeds after irradiation. In *X. Vedecká konferencia doktorandov FAPZ SPU v Nitre : konaná pri príležitosti Týždňa vedy a techniky na Slovensku, 12. november 2015.* - Nitra : Slovenská polnohospodárska univerzita, 2015, s. 79. ISBN 978-80-552-1421-4.
- AFH03 HRICOVÁ, Andrea - GOFFA, Eduard - HOLIČ, Roman - ZÁHORSKÝ, Michal. The fatty acids and squalene status in seeds of valuable amaranth breeding lines. In *The 5th International Scientific Conference APPLIED NATURAL SCIENCES 2015 Perspectives in V4 Countries : September 30 - October 2, 2015.* - Trnava : University of SS. Cyril and Methodius, 2015, p. 108. ISBN 978-80-8105-723-6.
- AFH04 KULLAČOVÁ, Dagmara. Vypracovanie protokolu pre prácu s parazitickými rastlinami v in vitro podmienkach = DEVELOPMENT OF A PROTOCOL FOR STUDY OF PARASITIC PLANTS IN IN VITRO CONDITIONS. In *Zborník abstraktov z IX. vedeckej konferencie doktorandov a z XIII. vedeckej konferencie študentov I. a II. stupňa vysokoškolského štúdia s medzinárodnou účasťou : 22. apríl 2015.* - Nitra : Slovenská polnohospodárska univerzita, 2015, s. 18. ISBN 978-80-552-1322-4.
- AFH05 POTURNAJOVÁ, Martina - ZÁVODNÁ, Katarína - FEKECSOVÁ, Soňa - BENEJ, Martin - BISTA, E. - PURA, M. Posudzovanie patogenicity novoobjavenej substitúcie p.Ala641Ser v c-RET protoonkogéne spojený s populačným skríningom dvoch slovenských obcí. In *XXIII. Izakovičov memoriad : program a zborník abstraktov.* - Bratislava, 2012, s. 23-24.

#### **AFHA Abstracts of papers from international conferences in Slovakia**

- AFHA01 BRANÁ, Martina - LIBANTOVÁ, Jana - ČELKOVÁ, Martina - KORMUTÁK, Andrej. Searching for species-specific mitochondrial markers of *Pinus sylvestris L.* and *Pinus mugo Turra* using nad3-2 primer. In *13th International Scientific Conference of PhD. Students, Young Scientists and Pedagogues : Book of Abstracts.* - Nitra : Constantine the Philosopher University, 2012, p.21-26. ISBN 978-80-558-0108-7.

- AFHA02 CÁRACH, Martin - SALAJ, Terézia. The importance of in vitro cultures to study the effects of cadmium ions. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná*. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 119. ISBN 978-80-552-0855-8.
- AFHA03 ČELKOVÁ, Martina - KORMUTÁK, Andrej - BRANÁ, Martina. Restriction analysis of chloroplast DNA in native species of pines. In *13th International Scientific Conference of PhD. Students, Young Scientists and Pedagogues : Book of Abstracts*. - Nitra : Constantine the Philosopher University, 2012, p. 33-38. ISBN 978-80-558-0108-7.
- AFHA04 ĎURECHOVÁ, Dominika - LIBANTOVÁ, Jana. Príprava vektorového konštruktu na charakterizáciu promótora chitinázy izolovaného z rosičky okrúhlolistej = Preparation of the vector construct for characterization of the chitinase promoter isolated from sundew. In *Nové poznatky z genetiky a šľachtenia polnohospodárskych rastlín. Zborník z 19. medzinárodnej vedeckej konferencie* : Piešťany, 6. 11. 2012. - Piešťany : Centrum výskumu rastlinnej výroby Piešťany, 2012, s. 65-66. ISBN 978-80-89417-41-4.
- AFHA05 FEJÉR, Jozef - HRICOVÁ, Andrea - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Mutation breeding of amaranth (*Amaranthus cruentus* L. - experiment results from locality Prešov. In *Neglected and Under-utilized Species Research in 21st Century : 6th International Conference of the European Amaranth Association, October 21 - 24, 2012*. - Nitra : UGBR SAV, 2012, p. 33. ISBN 978-80-970662-1-5.
- AFHA06 FRÁTEROVÁ, Lenka - SALAJ, Terézia - MATUŠÍKOVÁ, Ildikó - SALAJ, Ján. Chitinases and glucanases in the process of somatic embryogenesis of *Pinus nigra* Arn. and hybrid firs. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná*. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 120. ISBN 978-80-552-0855-8.
- AFHA07 GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela - OSTROLUCKÁ, Mária-Gabriela - SÚKENÍKOVÁ, Miroslava. Biotechnological methods in mass propagation of selected berry species = Biotechnologické metódy v masovej propagácii vybraných druhov bobuľovín. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application*. - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p.33. ISBN 978-80-971113-0-4.
- AFHA08 GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela - RUZIČ, Djina - CEROVIČ, Radoslav - SÚKENÍKOVÁ, Miroslava. Micropropagation and adventitious regeneration of *Rubus* spp. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná*. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 121. ISBN 978-80-552-0855-8.
- AFHA09 GAJDOŠOVÁ, Alena - LIBIAKOVÁ, Gabriela. Uplatnenie pletivových kultúr v klonálnom množení drevín. = Application of tissue cultures in clonal propagation

of Woody species. In *Dendrologické dni v Arboréte Mlyňany SAV 2014 : Prostredie a vitalita drevín*. - Vieska nad Žitavou : Arborétum Mlyňany SAV, detaš. pracovisko ÚEL SAV Zvolen, 2014, s. 55-56. ISBN 978-80-971113-2-8.

- AFHA10 GALGÓCI, Martin - MAŇKA, Peter - KORMUTÁK, Andrej - ČAMEK, Vladimír - GÖMÖRY, Dušan. Differentiation of selected interspecific fir hybrids (*Abies* sp.) according to the length of primary branches and number of secondary branches = Diferenciácia vybraných medzidruhových hybridov jedlích (*Abies* sp.) podľa dĺžok primárnych vetiev a počtu ich sekundárnych konárov. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application*. - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p.35. ISBN 978-80-971113-0-4.
- AFHA11 GÁLUSOVÁ, Terézia - PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. The effect of cadmium on epidermis of leaves of two soybean varieties. In HUDEC, Michal - BARCÍKOVÁ, Eva - UHRINOVÁ, Eva. *Scientia iuvenis: Book of Scientific Papers*. - Nitra : UKF, 2012, p. 39-46. ISBN 978-80-558-0120-9.
- AFHA12 GÁLUSOVÁ, Terézia - MÉSZÁROS, Patrik - PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. Úloha PR proteínov v obrane sóje fazuľovej proti tăžkým kovom. = The role of PR proteins in defense of soybean against heavy metals. In *Nové poznatky z genetiky a šľachtenia polnohospodárskych rastlín. Zborník z 19. medzinárodnej vedeckej konferencie*. : Piešťany, 6. 11. 2012. - Piešťany : Centrum výskumu rastlinnej výroby Piešťany, 2012, s. 31-34. ISBN 978-80-89417-41-4.
- AFHA13 GREGOROVÁ, Zuzana - MAGLOVSKI, Marína - MÉSZÁROS, Patrik - SOCHA, Peter - KUNA, Roman - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Impact drought on defense responses of wheat. In *Applied Natural Sciences 2013 : the 4 th International Scientific Conference, Nový Smokovec, October 2 - 4, 2013*. - Trnava : University of SS. Cyril and Methodius, 2013, p. 88. ISBN 978-80-8105-501-0.
- AFHA14 HAUPTVOGEL, Pavel - BRESTIČ, Marián - MATUŠÍKOVÁ, Ildikó - ŠVEC, Miroslav. Biological diversity of wheat, improvement for adaptability under global change and use in organic agriculture (BIOFARM) - A Slovak project on the impact of climatic changes on wheat genetic resources. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“* : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 75. ISBN 978-80-552-0855-8.
- AFHA15 HRICOVÁ, Andrea - FEJÉR, Jozef - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Adding value to amaranth through the use radiation mutagenesis. In *Neglected and Under-utilized Species Research in 21st Century : 6th International Conference of the European Amaranth Association, October 21 - 24, 2012*. - Nitra : UGBR SAV, 2012, p. 15. ISBN 978-80-970662-1-5.
- AFHA16 HRICOVÁ, Andrea - KEČKEŠOVÁ, Monika - GAJDOŠOVÁ, Alena. Development of valuable and high yielding amaranth through induced mutagenesis. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their*

*Benefits to the Future" and international workshop „Recent Advances in Plant Biotechnology" : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 66. ISBN 978-80-552-0855-8.*

- AFHA17 HRICOVÁ, Andrea - KEČKEŠOVÁ, Monika - LIBIAKOVÁ, Gabriela - GAJDOŠOVÁ, Alena. Improvement of genetic resources of amaranth by means of mutagenesis = Vylepšenie genetických zdrojov láskavca pomocou mutagenézy. In *Biodiverzita v poľnohospodárskej krajine a v ekosystéme : zborník z medzinárodnej konferencie projektu REVERSE - INTERREG IVC, Piešťany, 13. jún 2012. - Piešťany : Centrum výskumu rastlinnej výroby, 2012, p. 55-56. ISBN 978-80-89417-37-7.*
- AFHA18 JAMNICKÁ, Zuzana - OBERT, Bohuš - VARHANÍKOVÁ, Miroslava - PREŤOVÁ, Anna. Growth and monoterpane production in shoot cultures of peppermint (*Mentha x piperita L.*) in vitro conditions. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future" and international workshop „Recent Advances in Plant Biotechnology" : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 139. ISBN 978-80-552-0855-8.*
- AFHA19 KEČKEŠOVÁ, Monika - MÚDRY, Pavol - HRICOVÁ, Andrea - GÁLOVÁ, Zdenka. Enzyme polymorphism analysis in irradiated amaranth (*Amaranthus spp.*) lines. In *Neglected and Under-utilized Species Research in 21st Century : 6th International Conference of the European Amaranth Association, October 21 - 24, 2012. - Nitra : UGBR SAV, 2012, p. 6. ISBN 978-80-970662-1-5.*
- AFHA20 KORMUTÁK, Andrej - ČAMEK, Vladimír - BRANÁ, Martina - ČELKOVÁ, Martina - VOOKOVÁ, Božena - MAŇKA, Peter - GALGÓCI, Martin - KUNA, Roman - GÖMÖRY, Dušan. Introgressive hybridization between Scots pine and mountain dwarf pine at the localities Medzi Bormi and Sokolie = Introgresívna hybridizácia borovice lesnej a borovice horskej na lokalitách Medzi Bormi a Sokolie. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application. - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p.54. ISBN 978-80-971113-0-4.*
- AFHA21 KULLAČOVÁ, Dagmara - MATÚŠOVÁ, Radoslava. In vitro culture of parasitic plant *Phelipanche ramosa* (L.) pomel. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference, Nový Smokovec, 2-4 october 2013. - Trnava : University of SS. Cyril and Methodius, 2013, p. 106. ISBN 978-80-8105-501-0.*
- AFHA22 LIBANTOVÁ, Jana - JOPČÍK, Martin. Isolation and characterization of tissue-specific promoters and their use in biotechnology. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future" and international workshop „Recent Advances in Plant Biotechnology" : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 128. ISBN 978-80-552-0855-8.*
- AFHA23 LIBIAKOVÁ, Gabriela - SÚKENÍKOVÁ, Miroslava - MATÚŠOVÁ, Radoslava - GAJDOŠOVÁ, Alena. Adventitious shoot regeneration in vitro *Rubus*

Fruticosus L. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference, Nový Smokovec, 2-4 october 2013.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 108. ISBN 978-80-8105-501-0.

- AFHA24 LIBIAKOVÁ, Gabriela - SÚKENÍKOVÁ, Miroslava - RUZIČ, Djina - CEROVIČ, Radoslav - GAJDOŠOVÁ, Alena. Genotype-dependent differences in shoot proliferation ability in vitro of *Vaccinium corymbosum* L. cultivars. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“* : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 124. ISBN 978-80-552-0855-8.
- AFHA25 MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - SOCHA, Peter - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana. Effect of suboptimal concentrations of nitrogen on morphological, physiological and biochemical parameters of wheat at early developmental stage. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference, Nový Smokovec, 2-4 october 2013.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 109. ISBN 978-80-8105-501-0.
- AFHA26 MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - HAUPTVOGEL, Pavel - KUNA, Roman - RYBANSKÝ, Ľubomír. Negatívny vplyv arzénu na výhonky pšenice (*Triticum aestivum*). In *Zborník abstraktov z 21. medzinárodnej vedeckej konferencie : Nové poznatky z genetiky a šľachtenia polnohospodárskych rastlín. Téma konferencie : "Zdravé a kvalitné primárne zdroje pre rastlinnú a živočíšnu výrobu" ..* - Piešťany : Národné polnohospodárske a potravinárske centrum, 2014, s. 32. ISBN 978-80-89417-56-8.
- AFHA27 MAŇKA, Peter - GALGÓCI, Martin - KORMUTÁK, Andrej - ČAMEK, Vladimír - GÖMÖRY, Dušan. Pollen quality in some representatives of the genus *Pinus* = Kvalita peľu vybraných zástupcov rodu *pinus*. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application.* - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p.63. ISBN 978-80-971113-0-4.
- AFHA28 MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - GRYSHKO, Vitalii - SYSHCHYKOV, Dmitry - ARTIUSHENKO, Tetiana. Physiological and biochemical changes induced by cadmium, nickel and zinc in maize roots. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference, Nový Smokovec, 2-4 october 2013.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 112. ISBN 978-80-8105-501-0.
- AFHA29 MICKOWSKA, Barbara - SOCHA, Peter - URMINSKÁ, Dana. Preliminary study on the proteolysis of prolamins by microbial enzymes. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 113. ISBN 978-80-8105-501-0.
- AFHA30 SALAJ, Terézia - MORAVČÍKOVÁ, Jana - VOOKOVÁ, Božena - SALAJ, Ján. Genetic transformation of conifers via particle bombardment and

*Agrobacterium tumefaciens.* In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná.* - Nitra : Slovak Univerzity of Agriculture, 2012, p. 130. ISBN 978-80-552-0855-8.

AFHA31 SALAJ, Terézia - PANIS, Bart - SWENNEN, Rony - SALAJ, Ján. Plant cryopreservation – the method of choice for the long-term storage of plant cells tissues and organs. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná.* - Nitra : Slovak Univerzity of Agriculture, 2012, p.136. ISBN 978-80-552-0855-8.

AFHA32 SALAJ, Terézia - FRÁTEROVÁ, Lenka - SALAJ, Ján. Somatic embryogenesis: methods for vegetative reproduction of conifers = Somatická embryogenéza ako metóda vegetatívnej reprodukcie ihličnatých drevín. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application.* - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p. 70. ISBN 978-80-971113-0-4.

AFHA33 SOCHA, Peter - GÁLUSOVÁ, Terézia - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - HAUPTVOGEL, Pavel. Utilization of scar marker on selection of wheat genotypes accumulating low amounts of cadmium. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference,, Nový Smokovec, 2-4 october 2013.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 120. ISBN 978-80-8105-501-0.

AFHA34 SOCHA, Peter - MAGLOVSKI, Marína - MÉSZÁROS, Patrik - MICHALKO, Jaroslav - GREGOROVÁ, Zuzana - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - HAUPTVOGEL, Pavel - RYBANSKÝ, Ľubomír. Využitie SSR analýzy na predikciu nízkej akumulačnej schopnosti voči kadmiu v semenách sóje. = Prediction of low cadmium accumulation capacity in soybean seeds using SSR analysis. In *Hodnotenie genetických zdrojov rastlín pre výživu a poľnohospodárstvo. : zborník zo 7. medzinárodnej vedeckej konferencie.* - Piešťany : Centrum výskumu rastlinnej výroby, 2013, s. 51-52. ISBN 978-80-89417-49-0.

AFHA35 SÚKENÍKOVÁ, Miroslava - LIBIAKOVÁ, Gabriela - MORAVČÍKOVÁ, Jana - GAJDOŠOVÁ, Alena. Genetic transformation of Rubus fruticosus L. mediated by *Agrobacterium tumefaciens*. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná.* - Nitra : Slovak Univerzity of Agriculture, 2012, p. 127. ISBN 978-80-552-0855-8.

AFHA36 SÚKENÍKOVÁ, Miroslava - LIBIAKOVÁ, Gabriela - MATÚŠOVÁ, Radoslava - GAJDOŠOVÁ, Alena. The application of biotechnological methods in propagation and improvement of small fruit species. In *Applied Natural Sciences 2013 : the 4th International Scientific Conference, Nový Smokovec, 2-4 october 2013.* - Trnava : University of SS. Cyril and Methodius, 2013, p. 122. ISBN 978-80-8105-501-0.

- AFHA37 VARHANÍKOVÁ, Miroslava - PREŤOVÁ, Anna - OBERT, Bohuš. Proteomic analysis of somatic embryogenesis in Zea mays L. In *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“* : 24-28 September 2012, Stará Lesná. - Nitra : Slovak Univerzity of Agriculture, 2012, p. 123. ISBN 978-80-552-0855-8.
- AFHA38 VOOKOVÁ, Božena - HŘIB, J. - ADAMEC, V. - KORMUTÁK, Andrej. Comparison of defence reactions of Algerian fir zygotic and somatic embryos in condition in vitro = Porovnanie obranných reakcií zygotických a somatických embryí v podmienkach in vitro. In *Dendrological Days in Mlyňany Arboretum SAS 2012 : Recent results from woody plants research and application*. - Vieska nad Žitavou : Arborétum Mlyňany SAV, 2012, p. 86. ISBN 978-80-971113-0-4.
- AFHA39 ZÁHORSKÝ, Michal - ŽIAROVSKÁ, Jana - HRICOVÁ, Andrea. Štúdium mutagenézou indukovaných genotypov láskavca s dôrazom na vybrané gény súvisiace s hmotnosťou a veľkosťou semena. In *Zborník abstraktov z 21. medzinárodnej vedeckej konferencie : Nové poznatky z genetiky a šľachtenia polnohospodárskych rastlín. Téma konferencie : "Zdravé a kvalitné primárne zdroje pre rastlinnú a živočíšnu výrobu" ..* - Piešťany : Národné polnohospodárske a potravinárske centrum, 2014, s.44. ISBN 978-80-89417-56-8.
- AFHB Abstracts of papers from domestic conferences**
- AFHB01 BLEHOVÁ, Alžbeta - BÍLIKOVÁ, Eva - KOVÁRIKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó - ŠVUBOVÁ, Renáta. Charakteristika rastlín regenerujúcich z listov *Drosera rotundifolia* L. po transformácii s *Agrobacterium tumefaciens* alebo *A. rhizogenes*. In *Zborník príspevkov z konferencie 11. dni doktorandov experimentálnej biológie rastlín a 13. konferencie experimentálnej biológie rastlín, Košice, 9. - 13. september 2013.* - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2013, s. 132. ISBN 978-80-8152-031-0.
- AFHB02 CÁRACH, Martin - SALAJ, Terézia. Vplyv iónov kadmia na somatickú embryogenézu hybridov jedle v in vitro podmienkach. In *Zborník príspevkov z konferencie 11. dni doktorandov experimentálnej biológie rastlín a 13. konferencie experimentálnej biológie rastlín, Košice, 9. - 13. september 2013.* - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2013, s. 140. ISBN 978-80-8152-031-0.
- AFHB03 DOBROVICZSKÁ, Terézia - PIRŠELOVÁ, Beáta - BOLEČEK, P. - MATUŠÍKOVÁ, Ildikó. Vplyv kadmia na pokožku listov sóje fazuľovej. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov.* - Banská Bystrica : Občianske združenie Preveda, 2012, s. 7. ISBN 978-80-970712-2-6.
- AFHB04 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Dvojrozmerná elektroforéza ako významný nástroj k štúdiu pšeničných proteínov. In *Interaktívna Konferencia Mladých Vedcov 2013 : Zborník abstraktov.* - Banská Bystrica : Občianske združenie PREVEDA, 2013, s. 7-8. ISBN 978-80-970712-4-0.
- AFHB05 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Štúdium pšeničných proteínov pomocou dvojrozmernej elektroforézy. In *Zborník príspevkov z konferencie 11. dni*

*doktorandov experimentálnej biológie rastlín a 13. konferencie experimentálnej biologie rastlín, Košice, 9. - 13. september 2013. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2013, s. 121. ISBN 978-80-8152-031-0.*

- AFHB06 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Výber a optimalizácia najvhodnejších metód na extrakciu proteínových frakcií zrna pšenice (*Triticum aestivum*). In *Interaktívna konferencia mladých vedcov 2014. Book of abstracts 2014.* - Banská Bystrica : Preveda, 2014. ISBN 978-80-970712-6-4.
- AFHB07 FEKECSOVÁ, Soňa - HAJDUCH, Martin. Využitie proteomiky pri analýze pšeničných proteínov. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov.* - Banská Bystrica : Občianske združenie Preveda, 2012, s. 7. ISBN 978-80-970712-2-6.
- AFHB08 GÁLUSOVÁ, Terézia - FUSKOVÁ, Radka - GREGOROVÁ, Zuzana - MATUŠÍKOVÁ, Ildikó. Účinky rôznych dávok vody na obsah fotosyntetických pigmentov pšenice. In *Interaktívna Konferencia Mladých Vedcov 2013 : Zborník abstraktov, p..* - Banská Bystrica : Občianske združenie PREVEDA, 2013, s. 18-19. ISBN 978-80-970712-4-0.
- AFHB09 JOPČÍK, Martin. Využitie pletivovo-špecifických promotorov v rastlinných biotehnológiách. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov.* - Banská Bystrica : Občianske združenie Preveda, 2012, s.25. ISBN 978-80-970712-2-6.
- AFHB10 KEČKEŠOVÁ, Monika - GÁLOVÁ, Zdenka - HRICOVÁ, Andrea. Vplyv indukovanej radiačnej mutagenézy na niektoré biochemické charakteristiky semien láskavca. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov.* - Banská Bystrica : Občianske združenie Preveda, 2012, s.26. ISBN 978-80-970712-2-6.
- AFHB11 MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - SARKER, Martin - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - HAUPTVOGEL, Pavel. Vplyv nadbytku dusíka na rastliny pšenice vo vegetatívnom štádiu. In *Interaktívna Konferencia Mladých Vedcov 2013 : Zborník abstraktov.* - Banská Bystrica : Občianske združenie PREVEDA, 2013, s. 10. ISBN 978-80-970712-4-0.
- AFHB12 MÉSZÁROS, Patrik - KONOTOP, Jevhenia - PIRŠELOVÁ, Beáta - MATUŠÍKOVÁ, Ildikó. Nadbytok dusíka ovplyvňuje reakciu koreňov sóje fazuľovej (*Glycine max L. cv. Ustya*) na ióny kadmia. In *Interaktívna konferencia mladých vedcov 2012 : zborník abstraktov.* - Banská Bystrica : Občianske združenie Preveda, 2012, s. 33. ISBN 978-80-970712-2-6.
- AFHB13 MICHALKO, Jaroslav - SOCHA, Peter - MÉSZÁROS, Patrik - BLEHOVÁ, Alžbeta - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - KLUČÁR, L. - MATUŠÍKOVÁ, Ildikó. Isolation and characterisation of a  $\beta$ -1,3-glucanase gene from the insectivorous sundew (*Drosera rotundifolia L.*). In *Zborník prednášok a posterov z XXIV. Biochemického zjazdu SSBMB a ČSBMB : 18.-19. 9. 2014.* - Bratislava : ÚMFG SAV, 2014, p.191. ISBN 978-80-970164-6-3.

- AFHB14 MICHALKO, Jaroslav - SOCHA, Peter - MÉSZÁROS, Patrik - BLEHOVÁ, Alžbeta - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - MATUŠÍKOVÁ, Ildikó. Nová funkcia glukanáz v rastlinách - rozklad koristi v tráviacich šťavách mäsožravých rastlín. In *Zborník príspevkov z konferencie 11. dni doktorandov experimentálnej biológie rastlín a 13. konferencie experimentálnej biológie rastlín, Košice, 9. - 13. september 2013.* - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2013, s. 167. ISBN 978-80-8152-031-0.
- AFHB15 MORAVČÍKOVÁ, Jana. Genetické inžinierstvo drevín: výhody a nevýhody. In *Z diskusií vo vedeckých kaviarňach vo Zvolene*. - Zvolen : Ústav ekológie lesa SAV, 2012, p. 74-83. ISBN 978-80-89408-15-3.
- AFHB16 PILARSKA, Maria - SALAJ, Ján - MALEC, Przemyslaw - KONIECZNY, Robert. Pattern of TnSERK1 expression in embryogenic and non-regenerative cultures of *Trifolium nigrescens* (VIV.). In *Zborník príspevkov z konferencie 11. dni doktorandov experimentálnej biológie rastlín a 13. konferencie experimentálnej biológie rastlín, Košice, 9. - 13. september 2013.* - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2013, p. 117. ISBN 978-80-8152-031-0.
- AFHB17 VOOKOVÁ, Božena - KORMUTÁK, Andrej. Klonálne množenie rastlín niektorých druhov *Abies* = Clonal plant' reproduction of some *Abies* species. In *Dreviny vo verejnej zeleni : zborník príspevkov z vedeckej konferencie, 18.-19. 6. 2013.* - Nitra : Ústav ekológie lesa SAV Zvolen, Pobočka biológie drevín Nitra : Slovenská spoločnosť pre poľnohospodárske a veterinárske vedy pri SAV, 2013, s. 217. ISBN 978-80-89408-16-0.
- AFL Domestic conferences posters**
- AFL01 ĎURECHOVÁ, Dominika - MATUŠÍKOVÁ, Ildikó - MORAVČÍKOVÁ, Jana - JOPČÍK, Martin - LIBANTOVÁ, Jana. Sequence analysis of Sundew chitinase gene. In *The 10th International Scientific Conference Biotechnology and Quality of Raw Materials and Foodstuffs : book of abstracts and poster, Stará Lesná, January 28-30, 2015.* - Nitra : Slovak University of Agriculture in Nitra, 2015, p.43. ISBN 978-80-552-1296-8.
- AFL02 GREGOROVÁ, Zuzana - SOCHA, Peter - MAGLOVSKI, Marína - MORAVČÍKOVÁ, Jana - LIBANTOVÁ, Jana - KUNA, Roman - HAUPTVOGEL, Pavel - MATUŠÍKOVÁ, Ildikó. Wheat pathogen resistance and chitinase profile. In *The 10th International Scientific Conference Biotechnology and Quality of Raw Materials and Foodstuffs : book of abstracts and poster, Stará Lesná, January 28-30, 2015.* - Nitra : Slovak University of Agriculture in Nitra, 2015, p. 45. ISBN 978-80-552-1296-8.
- AFL03 KULLAČOVÁ, Dagmara - MATÚŠOVÁ, Radoslava. Establishment of *Phelipanche ramosa* tissue culture and effect of kanamycin on culture growth. In *The 10th International Scientific Conference Biotechnology and Quality of Raw Materials and Foodstuffs : book of abstracts and poster, Stará Lesná, January 28-30, 2015.* - Nitra : Slovak University of Agriculture in Nitra, 2015, p. 59. ISBN 978-80-552-1296-8.

- AFL04        LANCÍKOVÁ, Veronika - HLAVAČKOVÁ, Lucia - ŽIAROVSKÁ, Jana - KUBÍKOVÁ, H. - BEŽO, M. - RAŽNÁ, Katarína - DANCHENKO, Maksym - RASHYDOV, Namik M. - HAJDUCH, Martin. Analysis of stability of trinucleotide TTC motifs in common flax planted in the Chernobyl area. In *The 10th International Scientific Conference Biotechnology and Quality of Raw Materials and Foodstuffs : book of abstracts and poster, Stará Lesná, January 28-30, 2015.* - Nitra : Slovak University of Agriculture in Nitra, 2015, p. 61. ISBN 978-80-552-1296-8.
- AFL05        MAGLOVSKI, Marína - GREGOROVÁ, Zuzana - MÉSZÁROS, Patrik - MATUŠÍKOVÁ, Ildikó - LIBANTOVÁ, Jana - MORAVČÍKOVÁ, Jana - HAUPTVOGEL, Pavel. Negative effect of metalloid stress on wheat. In *The 10th International Scientific Conference Biotechnology and Quality of Raw Materials and Foodstuffs : book of abstracts and poster, Stará Lesná, January 28-30, 2015.* - Nitra : Slovak University of Agriculture in Nitra, 2015, p. 65. ISBN 978-80-552-1296-8.

**AGJ Patent applications, utility model applications, design applications, trademark applications, applications for granting supplementary protection certificate, applications for registration of topographies of semiconductor products, designations of origin applications, geographical indications of goods and products applications, breeder's certificate applications**

- AGJ01        GAJDOŠOVÁ, Alena - HRICOVÁ, Andrea - LIBIAKOVÁ, Gabriela - FEJÉR, Jozef - ÚSTAV GENETIKY A BIOTECHNOLÓGIÍ RASTLÍN SAV. *Rozhodnutie o registrácii odrody "Pribina"* : č. j.: Rozh 253-OOS-2013. Bratislava : Ústredný kontrolný a skúšobný ústav poľnohospodársky v Bratislave, 12.11. 2013.

**BCI University course materials and instructional texts**

- BCI01        GÁLOVÁ, Zdenka - SALAJ, Ján - MATUŠÍKOVÁ, Ildikó. *Molekulárna biológia*. Nitra : Slovenská poľnohospodárska univerzita, 2012. 166 s. ISBN 978-80-552-0913-5.

**DAI Dissertations and habilitation theses**

- DAI01        ĎURECHOVÁ, Dominika. *Izolácia a analýza génu chitinázy Rosičky okrúhlilistej : dizertačné doktorandské (PhD)*. Nitra : Slovenská poľnohospodárska univerzita, Ústav genetiky a biotechnológií rastlín SAV, 2015. 154 s.
- DAI02        FEKECSOVÁ, Soňa. *Proteomická analýza alergénnych proteínov v pšenici : dizertačné doktorandské (PhD)*. Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015.
- DAI03        HAJDUCH, Martin. *Molekulárna fyziológia semien : dizertačné doktorské práce (DrSc.)*. Nitra : Ústav genetiky a biotechnológií rastlín, 2015.
- DAI04        POLÓNIOVÁ, Zuzana. *Využitie peľovo - špecifického promótora v Cre/loxP stratégií zameranej na prípravu marker - free rastlín : dizertačné doktorandské (PhD)*. Nitra : Ústav genetiky a biotechnológií rastlín, SAV, 2015. 126 s.
- DAI05        SALAJ, Terézia. *Somatická embryogenéza ihličnatých drevín : dizertačné doktorské práce (DrSc.)*. Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015. 73 s.

**FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)**

FAI01       *Neglected and Under-utilized Species Research in 21st Century : 6th International Conference of the European Amaranth Association, October 21 - 24, 2012.* G. Libiaková, A. Gajdošová, A. Hricová. Nitra : UGBR SAV, 2012. 67 p. ISBN 978-80-970662-1-5.

FAI02       *Recent Advances in Neglected and Under-utilized Species Research : October 18-20, 2015.* G. Libiaková, A. Gajdošová, D. Janovská, J. Gažo. Nitra : Ústav genetiky a biotechnológií rastlín SAV, 2015. 53 p. ISBN 978-80-970662-2-2.

FAI03       *41st Annual Meeting of ESNA „Advances in Agrobiology Research and their Benefits to the Future“ and international workshop „Recent Advances in Plant Biotechnology“ : 24-28 September 2012, Stará Lesná.* G. Libiaková, K. Olšovská, A. Gajdošová, M. Brestič. Nitra : Slovak Univerzity of Agriculture, 2012. 150 p. ISBN 978-80-552-0855-8.