

Torek, 12. 9. 2006 / Tuesday, September 12th 2006

- 09.00 - 09.30** Otvoritev / Opening ceremony
09.30 - 10.15 ***D.Soltis: The flowering of the angiosperms: insights from developmental genetics and genomics into the origin and diversification of the flowering plants (PL1).***

1 FILOGENIJA / PHYLOGENY

Predsedujoči / Chair: M. Dermastia

- 10.15 - 10.45** D. Kordiš: Retroelement phylogenomics and the root of eukaryotes (1-IL1).
10.45 - 11.00 T. Grebenc: High intraspecific diversity in ectomycorrhizal genus *Hydnum* (1-SL1).
11.00 - 11.30 Odmor / Break

2 BIOTSKE INTERAKCIJE / BIOTIC INTERACTIONS

Predsedujoči / Chair: M. Ravnikar, D. Hanke

- 11.30 - 12.00** A. Mithöfer: Plant-insect interactions: the induction of defence mechanisms (2-IL1).
12.00 - 12.15 N. Slapar: Adaptation of Colorado potato beetle larvae to potato defence response at the level of digestive cysteine proteases (2-SL1).
12.15 - 12.30 M. Hren: Analysis of gene expression in phytoplasma infected grapevine (2-SL2).
12.30 - 12.45 P. Kogovšek: Possible role of carbon metabolism alterations in development of symptoms in potato infected with PVY^{NTN} / PVY^N (2-SL3).
12.45 - 13.00 B. Zechmann: Changes in the subcellular distribution of glutathione precursors during ZYMV-infection in *Cucurbita pepo* L. (2-SL4).
13.00 - 14.15 Kosilo / Lunch
14.15 - 15.15 **Poster sekcije 1 - 3 / Poster sessions 1 - 3**
 (1 Filogenija /Phylogeny, 2 Biotske interakcije / Biotic interactions, 3 Struktura in funkcija / Structure and function)

3 STRUKTURA IN FUNKCIJA / STRUCTURE AND FUNCTION

Predsedujoči / Chair: M. Kovač, D. Soltis

- 15.15 - 15.45** H. Fulgosi: TROL integrates chloroplast redox signalling (3-IL1).
15.45 - 16.15 K. Čufar: Dendrochronology and its use in biology and cultural studies (3-IL2).
16.15 - 16.45 D. Hanke: The effect of aerial pollution on cytokinins in forest trees (3-IL3).
16.45 - 17.00 I. Kreft: Chromosomal aberrations as a tool to follow the development patterns in barley plants (3-SL1).
17.00 - 17.15 M. Müller: Intracellular localization of glutathione and its precursors in plant cells (3-SL2).
17.15 - 17.30 L. Marion: Formation of surface callus in wounded stems of Norway maple (*Acer platanoides* L.) (3-SL3).
17.30 - 17.45 J. Gričar: Effect of experimentally controlled heating and cooling on xylo- and phloemogenesis in stem portion of Norway spruce (3-SL4).

Sreda, 13. 9. 2006 / Wednesday, September 13th 2006

4 VEGETACIJA / VEGETATION

Predsedujoči / Chair: H. Kraigher, F. Batič

- 09.00 - 09.30** A. Raschi: Greenhouse gas budget of an Alpine pasture (4-IL1).
09.30 - 09.45 K. Eler: Functional shifts in plant community composition of calcareous grassland followed by change in management regime (4-SL1).
09.45 - 10.00 P. Košir: Diversity of noble hardwood forests in Southeastern Europe (4-SL2).
10.00 - 10.15 I. Zelnik: Wet meadow communities and environmental gradients (4-SL3).
10.15 - 10.30 A. Čarni: Pattern of plant traits in trampled vegetation along climatic gradient in Europe (4-SL4).
10.30 - 11.15 ***Ch. Körner: The green roof of the globe in a changing atmosphere (PL2).***
11.15 - 11.45 Odmor / Break
12.00 - Ekskurzija / Excursion

Četrtek, 14. 9. 2006 / Thursday, September 14th 2006

5 APLIKATIVNA BOTANIKA / APPLIED BOTANY

Predsedujoči / Chair: S. Zdravković - Korać, B. Bohanec

- 09.00 - 09.30** B. Javornik: Molecular genetic hop research in Slovenia (5-IL1).
09.30 - 10.00 V. Meglič: Slovenian beans (*Phaseolus vulgaris* L.): From diversity to function (5-IL2).
10.00 - 10.15 L. Vižintin: Genetic characterization of *Trifolium species* with notable agronomic value and its application in genebank accession management (5-SL1).
10.15 - 10.30 M. Pučko: Is it possible to distinguish provenances of Norway spruce with molecular markers? (5-SL2).
10.30 - 11.00 Odmor / Break

Predsedujoči / Chair: J. Žel, A. Mithöfer

- 11.00 - 11.30** S. Zdravković – Korać: Horse chestnut hairy roots as a source of aescin (5-IL3).
11.30 - 11.45 K. Cankar: Gene expression patterns of potato crops grown under different agricultural conditions (5-SL3).
11.45 – 12.00 M. Štefančič: The influence of the applied auxins on the callus formation and development of Prunus 'GiSela 5' leafy cuttings (5-SL4).
12.00 – 12.15 J. Boben: Detection of ToMV (Tomato mosaic virus) in irrigation waters (5-SL5).
12.15 - 13.15 **Poster sekciji 4 - 5 / Poster sessions 4 - 5**
(4 Vegetacija / Vegetation, 5 Aplikativna botanika / Applied botany)
13.15 – 14.15 Kosilo / Lunch

DODIPLOMSKA SEKCIJA / YOUNG PLANT BIOLOGISTS

14.30 – 16.30

- 16.30 - 17.00** Odmor / Break

LETNA SKUPŠČINA DRFS / ANNUAL ASSEMBLY OF DRFS

17.00 – 18.30

Petek, 15. 9. 2006 / Friday, September 15th 2006

6 METODE V RASTLINSKI BIOLOGIJI / METHODS IN PLANT BIOLOGY

Predsedujoči / Chair: V. Meglič, H. Fulgosi

- 09.00 - 09.30** A. Kladnik: Seeing plant biology in a new light (6-IL1).
09.30 - 10.00 J. Žel: Measurement uncertainty in quantification of nucleic acids (6-IL2).
10.00 - 10.15 M. Merela: 3D MR imaging of diffuse porous and ring porous wood (6-SL1).
10.15 - 10.30 Š. Baebler: Comparison of microarray and real-time PCR expression data of potato pathogenesis-related genes after PVY^{NTN} infection (6-SL2).
10.30 - 10.45 A. Rötter: Data mining as a tool for analyzing expression microarrays data – case study of gene silencing mechanism (6-SL3).
10.45 - 11.15 Odmor / Break

7 ABIOTSKE INTERAKCIJE / ABIOTIC INTERACTIONS

Predsedujoči / Chair: A. Gaberščik, B. Povh

- 11.15 - 11.45** G. Deckmyn: Ozone effects on forests: the discrepancy between the limited effects on growth and the significant effects at the leaf level (7-IL1).
11.45 - 12.00 B. Turk: Biomonitoring of tropospheric ozone in Slovenia with selected plant species (7-SL1).
12.15 - 12.30 N. Ogrinc: The study of the carbon soil dynamics in the forest ecosystem using stable isotope approach (7-SL2).
12.30 - 12.45 M. Kaligarič: Leaf fluctuating asymmetry as indicator of developmental instability: evidence from naturally increased CO₂ concentration on *Myrtus communis* (7-SL3).
12.45 - 13.00 Z. Tuba: Bryophyte ecophysiology under elevated air CO₂ concentration (7-SL7, late abstract).
13.00 - 14.00 Kosilo / Lunch
14.00 - 15.15 **Poster sekciji 6 - 7 / Poster sessions 6 - 7**
(6 Metode v rastlinski biologiji / Methods in plant biology, 7 Abiotske interakcije / Abiotic interactions)



Predsedujoči / Chair: M. Regvar, K. Čufar

- 15.15 - 15.45** P. Oven: How trees respond and survive after mechanical wounding? (7-IL2).
- 15.45 - 16.00** B. Breznik: UV-B radiation and drought effects on photosynthetic apparatus and biomass production of two *Fagopyrum* species (7-SL4).
- 16.00 - 16.15** N. Šraj – Kržič: Mycorrhiza in plants from intermittent water bodies of SW Slovenia (7-SL5)
- 16.15 – 16.30** K. Vogel - Mikuš: Cd, Zn and Pb uptake and arbuscular mycorrhiza of *Thlaspi praecox* Wulf. (Brassicaceae) (7-SL6).
- 16.30 – 17.15** ***B. Povh: Physical methods in elemental analysis of biological probes (PL3).***
- 17.15 - 17.45** Zaključek / Closing