

4th International Conference on Plant Biology (23rd SPPS Meeting)

6-8, October, Belgrade, Serbia

FINAL PROGRAM

Thursday 6th October

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| 12:00-18:00 | Registration |
| 12:00-14:00 | NEPETOME project workshop (Science Fund of the Republic of Serbia, #Grant No 7749433): "Methodologies for the iridoid diversity investigation within the genus <i>Nepeta</i> " (Botanical Garden Jevremovac) |
| 18:00-22:00 | Welcoming cocktail and Celebration of SPPS jubilee (Botanical Garden Jevremovac) |

Friday 7th October

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| 09:00-09:15 | Opening Ceremony |
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SECTION 2 · PLANT STRESS PHYSIOLOGY

Chairs: Jelena Dragišić Maksimović & Tamara Rakić

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| 09:15-10:00 | Keynote |
| Mondher Bouzayen | <i>Uncoupling fruit softening from fruit ripening: a paradigm shift of thinking</i> |
| 10:00-10:30 | Plenary lecture |
| Miroslav Lisjak | <i>Growth conditions may affect the nutritional quality of wheatgrass (<i>Triticum aestivum</i> L.)</i> |
| 10:30-11:00 | Plenary lecture |
| Hermann Heilmeyer | <i>The functional role of non-essential elements in the root zone: how interactions between essential and non-essential elements shape the chemical rhizosphere environment</i> |
| 11:00-11:30 | Coffee break |
| 11:30-11:50 | Invited talk |
| Zsófia Bánfalvi | <i>Regulation and function of GIGANTEA genes in <i>Solanum tuberosum</i> cultivar 'Désirée'</i> |
| 11:50-12:10 | Invited talk |
| Ingeborg Lang | <i>Drought or heavy metals – investigating the abiotic stress tolerance in bryophytes</i> |

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| 12:10-12:30 Biljana Kukavica | Invited talk <i>Flooding and antioxidative response in plants</i> |
| 12:30-12:50 Sonja Milić Komić | Invited talk <i>Distinctive regulation of different phenolics biosynthesis by high light and UV-B in three basil varieties</i> |
| 12:50-13:05 Mariana Stanišić | Selected talk <i>What happens with phloretin in plants? – Phloretin real-time effects and post-treatment metabolism in treated Arabidopsis seedlings</i> |
| 13:05-13:20 Danijela Arsenov | Selected talk <i>Fullerenol (C₆₀(OH)₂₄) as a potent stress alleviator against drought and trace-element toxicity in Alliaria petiolata (M.Bieb.) Cavara et Grande</i> |
| 13:20-14:00 | Poster session |
| 14:00-15:30 | Lunch break |

SECTION 1 · PLANT GROWTH, DEVELOPMENT, METABOLISM AND NUTRITION

Chairs: Ivana Maksimović & Slavica Ninković

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| 15:30-16:00 Panagiotis Kalaitzis | Plenary lecture <i>A prolyl-4-hydroxylase and Arabinogalactan proteins are involved in relocation of tomato abscission zone</i> |
| 16:00-16:30 Marjorie Guichard | Plenary lecture <i>State-dependent protein interaction networks of a central regulator of plant growth and metabolism</i> |
| 16:30-16:50 Václav Motyka | Invited talk <i>Hormonome and role of desiccation in somatic embryogenesis of conifers</i> |
| 16:50-17:20 | Coffee break |
| 17:20-17:40 Julien Pirrello | Invited talk <i>Transition to ripening in tomato fruit needs genetic reprogramming initiated in gel tissue</i> |
| 17:40-18:00 Guido Grossmann | Invited talk <i>Robust yet adaptive - morphogenesis and growth regulation in roots</i> |
| 18:00-18:20 Jan Fíla | Invited talk <i>The beta-subunit of nascent polypeptide associated complex plays a role in flowers and siliques development of Arabidopsis thaliana</i> |
| 18:20-18:35 Kiril Mishev | Selected talk <i>The interaction network of the plant NudC family protein NMig1</i> |
| 18:35-19:15 | Poster session |

Saturday 8^h October

09:00-10:00

SPPS Assembly

SECTION 4 · ECOLOGY, GENETICS AND EVOLUTION OF PLANTS

Chairs: Branislav Šiler & Sanja Manitašević Jovanović

10:00-10:30

Plenary lecture

Velemir Ninković

Plant signaling and behavior mediated via volatiles

10:30-11:00

Plenary lecture

Janez Kermavnar

Impacts of forest management on plant functional traits and ecological conditions in the Dinaric fir-beech forests (Slovenia)

11:00-11:30

Coffee break

11:30-11:50

Invited talk

Ksenija Jakovljević

Ecophysiology of metal-hyperaccumulation in plants: what do we know so far?

11:50-12:10

Invited talk

Jelena Milojević

Elucidation of the mechanism underlying somatic embryo induction in spinach

12:10-12:30

Invited talk

Miroslava Zhiponova

*Catmint (*Nepeta nuda* L.) Phylogenetics and Metabolic Responses in Variable Growth Conditions*

12:30-12:50

Invited talk

Neda Aničić

*Progress in disentangling the diversity of iridoids within the genus *Nepeta*: surprising biosynthetic and evolutionary insights*

12:50-13:05

Selected talk

Denitsa Teofanova

*Distribution, host range, and genetic variability of the holoparasitic genus *Cuscuta* in Bulgaria*

13:05-13:20

Selected talk

Katarina Hočevar

*Variation in *Hsp70* and *Hsp101* levels in response to experimental warming in *Iris pumila* L.: an open-topped chamber experiment*

13:20-14:00

Poster session

14:00-15:30

Lunch break

SECTION 3 · APPLICATION IN AGRICULTURE, PHARMACY AND FOOD INDUSTRY

Chairs: Ana Ćirić & Ana Marjanović Jeromela

15:30-16:00

Plenary lecture

Angelos K. Kanellis

*Aroma formation in *Vitis vinifera* grape berries*

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| 16:00-16:30 Ekaterina-Michaela Tomou | Plenary lecture <i>Metabolomic strategy for detecting herbal products' differentiations and potential adulteration</i> |
| 16:30-16:50 Mila Grahovac | Invited talk <i>Essential oils and hydrolates in control of plant pathogens</i> |
| 16:50-17:20 | Coffee break |
| 17:20-17:40 Carla Vogt | Invited talk <i>Determination of elements, isotopes and organics in plants with high local resolution by mass spectrometric methods</i> |
| 17:40-18:00 Milan Miroslavljević | Invited talk <i>Integrating physiological traits in local small grains breeding program</i> |
| 18:00-18:20 Nada Ćujić Nikolić | Invited talk <i>Chokeberry, from natural polyphenol resource to promising functional foods and pharmaceuticals</i> |
| 18:20-18:35 Ana Pantelić | Selected talk <i>Late embryogenesis abundant (LEA) proteins in Ramonda serbica Panc identification, classification and structural characterization</i> |
| 18:35-18:50 Dejan Stojković | Selected talk Supercritical fluid extraction of Chicory reveals its antimicrobial, antibiofilm and wound healing potentials |
| 18:50-19:15 | Poster session |
| 19:15-19:30 | Closing Ceremony |
| 20:00-00:00 | Gala Dinner |