

CONFERENCE PROGRAM AND ABSTRACTS

TOPICS

1. Biotechnological and genetic approaches for ecological and sustainable agriculture.
2. Genetic resources and biodiversity.
3. Nutrient use efficiency and symbiotic interactions.
4. Regulation of plant growth and development.
5. Photosynthesis under stress environments: stress signaling and adaptation.

PRESENTATION CATEGORIES

Invited Lectures – 30 minutes presentation time.

Oral Presentations – 15 minutes presentation time.

All presentations should be MS Windows and MS Office compatible (.ppt or .pptx).

Poster Presentations – Not larger than H-120 x W-90 cm (A0 Portrait).

Mounting materials will be available on site.

Working language: English.

CALL FOR PAPERS

The Conference Proceedings will be published in a Special Issue of Journal „Genetics and Plant Physiology“.

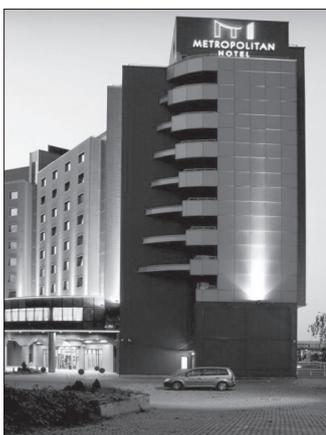
All participants are invited to present their investigations as research papers or short communications. The papers should be prepared according to the Author's instructions of the Journal and will be published after peer review.

SOCIAL EVENTS

A sightseeing tour through the historical center of Sofia is organized for the Conference participants.

CONFERENCE VENUE

Metropolitan Hotel Sofia
Sofia 1784, 64 Tsarigradsko chausse blvd.
42.657059N, 23.383094E
<http://www.metropolitanhotelsofia.com/>



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Plant Physiology and Genetics

Achievements and Challenges

SCIENTIFIC PROGRAM**23 September (Tuesday) – Arrival and Registration**

24 September (Wednesday)	
<i>Time</i>	<i>Event</i>
7:30	Registration
9:00	Welcome Address and Opening Remarks
9:25	„Devoted to Science“ – Video presentation of IPPG
Session Chairman: Hall M. (UK)	
09:55	Atanassov A. (Bulgaria) – Challenges and opportunities for future sustainable agriculture and environment.
10.25	Börner A. (Germany) – Plant genetic resources for food and agriculture (PGRFA) – maintenance and research.
10:55	Discussion
11:05	Coffee Break
Session Chairman: Börner A. (Germany)	
11:35	Jorrín-Novo J. (Spain) – Where is plant proteomics at the 20 th birthday of the proteome concept?
12:05	Péret B. (France) – Root development: molecular mechanisms and adaptive response.
12:35	Stoilov L. (Bulgaria) – Aspects of the induced genetic instability in barley genome.
12:50	Discussion
13:00	Lunch Break
13:30	Poster Mounting
Session Chairman: Jorrín-Novo J. (Spain)	
14:30	Manova V. (Bulgaria) – Molecular mechanisms of UV-induced DNA damage response in barley.
14:45	Landjeva S. (Bulgaria) – The genetic approach to physiological studies in bread wheat.
15:00	Karagyozov L. (Bulgaria) – Sequence analysis of the rDNA intergenic regions in <i>Hordeum vulgare</i> and <i>Hordeum bulbosum</i> : evidence for homogenization and evolutionary changes.
15:15	Dimitrova D. (Bulgaria) – Local plant varieties – local knowledge and strategic policies.
15:30	Avdjieva I. (Bulgaria) – Phylogenetic assessment of gain/loss of genes and functions in the evolution of grasses (Poaceae).
15:45	Zagorcheva T. (Bulgaria) – Molecular characterization of lavender (<i>Lavandula angustifolia</i>) genetic resources using sequence related amplified polymorphism (SRAP) markers.
16:00	Discussion
16:10	Coffee Break
16:40	Poster Viewing
18:00	Poster Dismounting
19:00	Welcome Cocktail

25 September (Thursday)	
<i>Time</i>	<i>Event</i>
Session Chairman: Centritto M. (Italy)	
9:00	Janda T. (Hungary) – Role of light in the acclimation processes in plants.
9:30	Hall M. (UK) – Volatiles are key signalling molecules in plant stress tolerance and likely biomarkers for post-harvest spoilage.
10:00	Feller U. (Switzerland) – Solute transport via the phloem in two wheat genotypes differing in drought susceptibility.
10:15	Mapelli S. (Italy) – Physiological and biochemical aspects of adaptation and productivity of <i>Camelina sativa</i> (L.) Crantz in different biogeographic regions.
10:30	Saikia S. (India) – Variability of growth and oil characteristics of <i>Jatropha curcas</i> L. in Northeast India.
10.45	Discussion
10:55	Coffee Break
Session Chairman: Péret B. (France)	
11:25	Vanková R. (Czech Republic) – Plant hormone functions in abiotic stress responses.
11:55	Motyka V. (Czech Republic) – Physiological and phylogenetic view to <i>cis</i> -zeatin-type cytokinins in plants.
12:25	Ananiev E. (Bulgaria) – Hormonal regulation of frost tolerance in populations of <i>Arabis alpina</i> L. from French Alps and Rila mountain.
12:40	Discussion
13:00	Lunch Break
13:30	Poster Mounting
Session Chairman: Motyka V. (Czech Republic)	
14:30	Kunert K. (South Africa) – Plant cystatins: multipurpose stress protectors in plants.
14:45	Šuštar Vozlič J. (Slovenia) – Studies of drought stress response in <i>Phaseolus vulgaris</i> L. at gene, protein and protease levels.
15:00	Mele G. (Italy) – Class 1 KNOX homeobox transcription factors antagonistically master brassinosteroid homeostasis and signaling pathway for proper meristem activity.
15:15	Kosakivska I. (Ukraine) – Effect of temperature on the pool of endogenous and balance of free and conjugated forms of abscisic and indole-3-acetic acids in seedlings of <i>Triticum aestivum</i> L.
15:30	Aktas L. (Turkey) – Effects of drought and ABA treatment on <i>LEA14</i> gene expression and some physiological parameters in maize genotypes.
15:45	Danailov Zh. (Bulgaria) – 110 th Anniversary of academician Hristo Daskalov's birth.
16:00	Discussion
16:10	Coffee Break
16:40	Poster Viewing
18:00	Poster Dismounting

26 September (Friday)	
<i>Time</i>	<i>Event</i>
Session Chairman: Janda T. (Hungary)	
9:00	Centritto M. (Italy) – From leaf physiology to dryland ecosystem services.
9:30	Lidon F. (Portugal) – UV-B irradiation in rice: high levels of Mn and ascorbate limits chloroplast oxidative burst.
10:00	Lambrev M. (Italy) – Production and characterization of <i>Chlamydomonas</i> mutants for optical and electrochemical bio-sensing.
10:15	Masyagina O. (Russian Federation) – Photosynthesis and pigment content of larch trees grown on permafrost soils.
10:30	Borisova Ts. (Bulgaria) – Modern molecular biology analyses in plant genetics.
10:45	Discussion
10:55	Coffee Break
Session Chairmen: Lidon F. (Portugal), Hall M. (UK)	
11:25	Ayyaz M. (Turkey) – Insecticidal gene (<i>cry1ac</i>) in transgenic bt cotton under the control of tissue specific promoter (rbcs) exhibits enhanced resistance against Lepidoptera.
11:40	Balashova I. (Russia) – Using of marker mutants collection for the heritability analysis of main tomato traits for the special hydroponic technology.
11:55	Hendawy S. (Egypt) – Influence of fertilization on growth, yield and chemical constituents of <i>Lallemantia iberica</i> plant.
12:10	Stoyanov H. (Bulgaria) – Characterization of some features in common winter wheat (<i>Triticum aestivum</i> L.) in the F2 population of the cross En-01a x Fla-10-401.
12:25	Discussion and Closing Remarks
13:00	Lunch Break
14:30	Sightseeing Tour
19:00	Farewell and Rotary Award

27 September (Saturday) – Departure