

117° Congresso della Società Botanica Italiana onlus

VIII INTERNATIONAL PLANT SCIENCE CONFERENCE (IPSC)

Bologna, 7 - 10 September 2022

Programme

Wednesday 7 September 2022

- 9:00-12:00 Registration and poster installation
12:00-13:00 Welcome lunch
13:30-14:00 **Opening ceremony**

Macro Symposium

THE ROLE OF PLANT ECOLOGY AND VEGETATION SCIENCE IN ECOSYSTEM RESTORATION: THEORY AND PRACTICE

Symposium 1

VEGETATION SCIENCE AND PLANT LANDSCAPE RESTORATION: RESEARCHES AND PERSPECTIVES (Chairpersons G. Bazan and S. Casavecchia)

- Key words:** vegetation dynamics, habitat restoration, habitat assessments, plant landscape conservation, landscape planning
- 14:00-14:30 • **Carlo Blasi**, Sapienza University of Rome, Italy (25 + 5 min)
“New tools of plant ecology and plant sociology to assess, recover and restore the natural capital”
- 14:30-15:45 5 Presentations to be selected from abstracts (12 + 3 min each)
- 15:45-16:15 Coffee Break

Symposium 2

RESTORATION OF PLANT COMMUNITIES: ECOLOGICAL BACKGROUND AND PRACTICAL EXPERIENCES (Chairpersons S. Maccherini and G. Filibeck)

- Key words:** plant community restoration, historical ecosystem references, restoration monitoring, restoration and climate change, rewilding
- 16:15-17:00 • **Rasmus Ejrnæs**, Aarhus University, Denmark (35 + 10 min)
“The restoration of natural plant communities – disturbing baselines and even more disturbing animals”
- 17:00-18:00 4 Presentations to be selected from abstracts (12 + 3 min each)
- 18:00-19:30 **Poster session**

Thursday 8 September 2022

Symposium 3

BIODIVERSITY: A CHALLENGE FOR NATURE CONSERVATION AND ENVIRONMENTAL MONITORING

(Chairperson S. Loppi)

Key words: biodiversity; nature conservation; environmental monitoring

- 9:00-9:30 • **Bettina Weber**, University of Graz, Austria (25 + 5 min)
“Cryptogamic communities: their biodiversity, functionality, and roles in global biogeochemical cycling in times of global change”
- 9:30-10:45 5 Presentations to be selected from abstracts (12 + 3 min each)
- 10:45-11:15 Coffee Break

Symposium 4

PLANT SPECIES CONCEPTS IN THE 21TH CENTURY

(Chairpersons G. Cristofolini and G. Domina)

Key words: taxonomy, speciation, evolution, natural selection, genome

- 11:15-11:45 • **Dirk Carl Albach**, University of Oldenburg, Germany (25 + 5 min)
“The species in the age of phylogenomics - Types, hybrids and convergence”
- 11:45-13:00 5 Presentations to be selected from abstracts (12 + 3 min each)
- 13:00-14:00 Lunch, **Poster session**

Symposium 5

PRIMARY AND SECONDARY METABOLITES PRODUCED BY AQUATIC PHOTOTROPHS WITH IMPLICATIONS FOR THE ENVIRONMENT AND BIOECONOMY

(Chairpersons R. Pistocchi and M. Cantonati)

Key words: biodiversity, biotechnology, environmental issues, infochemicals

- 14:00-14:30 • **Ana Bartual Magro**, Universida de Càdiz, Spain (25 + 5 min)
“Allelopathic interactions in the diatom phycospheres: ascertaining the ecological role of polyunsaturated aldehydes in the ocean”
- 14:30-15:45 5 Presentations to be selected from abstracts (12 + 3 min each)
- 15:45-16:15 Coffee Break

Symposium 6

URBAN GREEN-SPACE PLANNING AND MANAGEMENT: FROM FUNCTIONAL ASPECTS TO ECOSYSTEM BENEFITS

(Chairpersons M. Galloni and F. Orlandi)

Key words: urban ecosystems, urban green areas, ecosystem benefits, citizen science, environmental education, urban ecological corridors, urban flora

- 16:15-16:45 • **Mario Balzan**, Malta College of Arts, Science and Technology, Malta (25 + 5 min)
“Mainstreaming nature in urban green space planning and management”

- 16:45-18:00 5 Presentations to be selected from abstracts (12 + 3 min each)
- 18:00-19:00 **General Meeting of the Italian Botanical Society (members only)**
- 20:30-23:30 **Congress social dinner**

Friday 9 September 2022

Symposium 7

TRANSLATING PLANT RESEARCH FROM LAB TO LIFE: CELLULAR, MOLECULAR AND BIOTECHNOLOGICAL APPROACHES FOR A SUSTAINABLE DEVELOPMENT

(Chairpersons L. Navazio and M. Lenucci)

Key words: plant cell and molecular biology, plant biotechnology, plant growth and differentiation, plant environment interactions, productivity and sustainability challenges

- 9:00-9:30 • **Zoe Popper**, National University of Ireland Galway, Ireland (25 + 5 min)
“A wall of opportunities: from adaptation to exploitation”
- 9:30-10:45 5 Presentations to be selected from abstracts (12 + 3 min each)
- 10:45-11:15 Coffee Break
- 11:15-12:30 5 Presentations to be selected from abstracts (12 + 3 min each)
- 12:30-14:00 Lunch

Symposium 8

FUNGI: α -BIODIVERSITY, ECOSYSTEM SERVICES, OPEN SCIENCE

(Chairpersons G. Venturella and L. Nicola)

Key words: biodiversity, conservation, species distribution, social network data sharing web sites, ecosystem services, citizen science

- 14:00-14:30 • **Gregory M. Mueller**, Chicago Botanic Garden, Illinois, USA (25 + 5 min)
“Building on interactions between the professional and non-professional mycological communities to advance fungal conservation”
- 14:30-15:45 5 Presentations to be selected from abstracts (12 + 3 min each)
- 15:45-16:15 Coffee Break

Symposium 9

FROM MEDICINAL PLANTS TO HEALTH PRODUCTS THROUGH SPECIALIZED METABOLISM

(Chairpersons M. Germanò and F. Maggi)

Key words: medicinal plants, crude drugs, specialized metabolites, biological activities, natural products

- 16:15-16:45 • **Juha-Pekka Salmien**, University of Turku, Finland (25 + 5 min)
“Plant tannin analytics and its importance to understanding tannin bioactivity”
- 16:45-18:00 5 Presentations to be selected from abstracts (12 + 3 min each)
- 18:00-18:30 **Congress Closure**

Saturday 10 September 2022

Evento Post-Congress

9:00-13:00 “Più natura negli ecosistemi urbani per il futuro sostenibile e resiliente delle città”

The timetable may be modified
