121° Congresso della Società Botanica Italiana Onlus

XII INTERNATIONAL PLANT SCIENCE CONFERENCE (IPSC)

2nd–5th September 2026

Aula Magna "A. Quistelli"
Mediterranean University of Reggio Calabria



PROGRAM

Wednesday, 2nd September 2026

08:30 – 09:30 **Registration**

09:30 – 10:00 **Opening ceremony and institutional greetings**

Prof. Giuseppe Zimbalatti
Rector of the Mediterranean University of Reggio Calabria

Prof. Marco Poiana
Director of the AGRARIA Department

Prof. Massimo Finocchiaro Castro
Director of the DiGiES Department

Hon. Francesco Cannizzaro
Mayor of Reggio Calabria

Col. Giovanni Misceo
Regional Commander of Carabinieri Forestale of Calabria

Sen. Vincenzo D'Anna
National Federation of the Professional Orders of Biologists

Dr. Domenico Luca Laurendi
Professional Order of Biologists of Calabria

Dr. Michele Rocco Valenzise
Professional Order of Agronomists and Foresters of the Province of Reggio Calabria

Prof. Antonella Canini
President of Italian Botanical Society

In memory of Sandro Pignatti (*Chairpersons: F. Pedrotti and F.M. Raimondo*)

10:00 – 10:30 **Enrico Feoli** "Sandro Pignatti: un professore, uno scienziato, un maestro"

10:30 – 11:00 **Coffee break**

I Symposium

PLANT DIVERSITY AND BIOLOGICAL CONSERVATION IN A CHANGING WORLD (*Chairpersons: A. Chiarucci and G. Domina*)

11:00 – 11:35 Invited lecture: **Thomas Wohlgemuth**, Swiss Federal Institute for Forest, Snow and Landscape Research WSL - "Global change effects on plant species are context-dependent"

11:35 – 13:05 **Communications**

Giovanni-Breogán Ferreiro-Lera, et al. "Species-specific climate vulnerability in four protected Euro-Mediterranean orchids revealed by distribution modelling"

Emanuele Pelella, et al. "Tracing plant invasions in freshwater habitats: spatial and temporal insights from herbarium metadata"

Michele Lussu, et al. "Spatial mismatch between orchid diversity, land-use change and conservation coverage in Italy"

Emanuele Del Guacchio, et al. "Too far from home: The disjunct range of *Cephalaria joppensis* explained by introduction"

Ricardo Jorge Quinto-Canas, et al. "Micro-reserves as a strategic tool for the conservation of threatened flora and habitats in a Mediterranean biodiversity hotspot (Algarve, Portugal)"

Diana Maria Cruz Tejada, et al. "Warming enhances photoinhibition of seed germination under water stress in Mediterranean back-dune annuals"

13:05 – 14:30 **Lunch break**

14:30 – 16:30 **Communications**

Claudia Moricca, et al. "Digital archaeobotany: standardizing macro-remain data for Central Italy using the ARBOREA System

Domenico Amantea, et al. A QGIS-based tool for implementing ensemble multi-scale Species Distribution Models for planning plant conservation under global change

Antonio Morabito, et al. "Bioclimatic mapping of Calabria - An integrated model combining climate analysis and habitat distribution"

Antonio Zumbo, et al. "Management and monitoring of monumental trees: investigative experiences for conservation and valorization"

Eliane Sayde, et al. "Ecogeographic diversity analysis to identify priority sites for *in-situ* conservation and *ex-situ* collection of Crop Wild Relatives"

Special Announcement

Stefano Martellos, et al. «Italy joins the GBIF: new opportunities for botanical data mobilization"

16:30 – 17:00 **Coffee break**

17:00 – 19:00 **Public event** (in Italian)

ALBERI MONUMENTALI E BOSCHI VETUSTI. UN PATRIMONIO DA CONOSCERE E PROTEGGERE *(Chairperson: F. Tarantino)*

19:00 – 20:30 **"Ensemble Mediterranea" Jazz concert and welcome cocktail**

Thursday, 3rd September 2026

II Symposium

PLANT AND HABITAT MONITORING (*Chairpersons: R. Canullo and D. Gigante*)

9:00 – 9:35 Invited lecture: **František Máliš**, University in Zvolen, Slovakia - "Europe-wide spatial patterns of forest vegetation responses to environmental changes"

9:35 – 11:05 **Communications**

Luana Bertolotti, et al. "Primary succession and grazing shape biodiversity patterns along alpine deglaciation gradients"

Raffaella Margherita Zampieri, et al. "Delayed tree mortality assessment after wildfires using biosensors"

Chiara Scalet, et al. Contrasting responses of understory plant functional groups to canopy cover in Italian forests

Mattia Bosio, et al. Role of urban green in particulate matter capture and allergenic risk mitigation: a multifactorial approach for sustainable urban green infrastructure

Matteo Vita, et al. "DNA barcoding reveals the diversity of biomass-forming Cladophoraceae (Chlorophyta) in two Natura 2000 sites in Sicily (Italy)"

Leopoldo de Simone, et al. "A new approach to sample orthophoto vegetation plots using Structure from Motion photogrammetry"

11:05 – 11:30 **Coffee break**

III Symposium

BIOLOGICAL INTERACTIONS (*Chairperson: S. Loppi*)

11:30 – 13:00 **Communications**

Silvia Mazzuca, et al. "Root hair differentiation and microbial consortium promote early anchorage strategies in *Posidonia oceanica* seedlings"

Miriam Patti, et al. "Evaluating native species performance and substrate interaction for mediterranean green walls: a morpho-physiological study"

Gabriele Briganti, et al. "What is a DSE? A global synthesis of diversity and host association in Dark Septate Endophytes"

Valentina Lucia Astrid Laface, et al. "The role of seed priming in promoting growth and abiotic stress tolerance in the endemic and rare *Salvia ceratophylloides*"

Diletta Bisonni, et al. "Differences in the mycorrhization evolution of *Tuber melanosporum* Vittad. of two plant species in a long-term unmanaged truffle orchard"

13:00 – 14:00 **Lunch break**

14:00 – 16:30 **Public event** (in Italian)

RESTORATION ECOLOGY, REGOLAMENTO PER IL RIPRISTINO DELLA NATURA E PIANO DELLA NATURA PER IL FUTURO DELLE CITTÀ (*Chairperson: C. Blasi*)

16:30 – 17:00 **Coffee break**

17:00 – 18:30 **General Meeting of the Italian Botanical Society (members only)**

21:00 **Congress Social Dinner**

Friday, 4th September 2026

IV Symposium

PLANT CELLULAR AND MOLECULAR BIOLOGY, GENETICS AND BIOTECHNOLOGIES (*Chairpersons: M.S. Lenucci and A.M. Mercuri*)

9:00 – 10:30 **Communications**

Amalia Piro, et al. "Proteomic insights into *Limnospira maxima*: photosynthetic pigment valorisation and stress responses to emerging environmental pollutants"

Lorenzo Ferroni, et al. "Unveiling the reflectance profile of *Selaginella martensii* Spring (Lycopodiophyta) microphylls via hyperspectral dark-field microscopy"

Emanuela Talarico, et al. "Exploring inflorescence diversity in wild *Oryza* species through comparative developmental analysis"

Pietro Giovannelli, et al. "Local thermal history drives the resilience of *Posidonia oceanica* to present and future marine heatwaves: physiological and molecular features"

Daniele Torre, et al. "From excess algal biomass to high-value bioproducts: hydrothermal carbonization as a circular biotechnology platform for sustainable resource recovery"

10:30 – 11:00 **Coffee break**

V Symposium

ETHNOBOTANY AND NATURAL PRODUCTS THROUGH SUSTAINABILITY (*Chairpersons: M.P. Germanò, G. Sacchetti*)

11:00 – 11:35 Invited lecture: **Milen I. Georgiev**, Bulgarian Academy of Sciences "Unveiling anti-obesity and longevity potential of natural products"

11:35 – 13:05 **Communications**

Valentina Parisi, et al. "*Ferula ammoniacum*, the plant of one thousand and one nights: new chromandione sesquiterpenoids and antibacterial activity of gum ammoniacum"

Chiara Fanciaresi, et al. "Sustainable valorisation of fruit agro-industrial by-products for phenolic compound recovery as potential plant biostimulants"

Anna Cacciola, et al. "Phytochemical analysis, antioxidant activity and toxicity evaluation of an extract from *Crataegus laciniata* fruits"

Benedetta Galletta, et al. "Phenolic content, antioxidant properties, and brine shrimp toxicity of wild *Hirschfeldia incana* (L.) Lagr.-Foss. from Sicily (Italy): comparative study of leaf, flower, and stem extracts"

Gianniantonio Domina, et al. "Giuseppe Pitrè's contribution to the ethnobotanical knowledge of Sicily"

Maria Vitiello, et al. "Skin-related bioactivity of *Teucrium flavum* subsp. *flavum* aligned with its ethnobotanical use

13:05 – 14:00 **Lunch break**

14:00 – 16.00 **PARALLEL SESSIONS OF ORAL POSTER PRESENTATIONS**

Session A (*Chairperson: S. Martellos*)
Session B (*Chairperson: R. Venanzoni*)
Session C (*Chairperson: S. Mazzuca*)

16:00 – 16:30 **Coffee break**

16.30 **Italian Botanical Society awards**

16.45 **Introduction to the field trip**

17:00 **Congress Closure**

5th September 2026

7:30-16:30 Field trip in the Aspromonte National Park

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