**Research Day at the Botanical Garden**

*Botanical Theatre & Sala Colonne*

Monday, 27 October 2025 – 09:00–15:00

# An event dedicated to research at the Padua Botanical Garden: a chance to present ongoing projects, exchange ideas, and envision future directions together - across science, conservation, and the enhancement of botanical collections.

# 09:00 – Opening

Prof. Tomas Morosinotto, Prefect of the Botanical Garden

# 09:05 – 10:00 | Session 1 – Historical Collections

The herbarium and the historical collections of the Botanical Garden and Museum as a resource for interdisciplinary research, spanning history of science, botany, digitization, and new technologies.

i) Elena Canadelli: Historical Collections and New Approaches to the History of Science: Research and Perspectives

ii) Tommaso Anfodillo: The Wooden Books of Eugenio Trevisan: A Unique Heritage between Scientific Research and Artistic Creation

iii) Claudia Addabbo: Achille Forti's Algal Herbarium: Study, Digitization, and Enhancement of a Historical Collection

# 10:00 – 10:55 | Session 2 – Biodiversity

Exploring the richness of plant and fungal genetic diversity, with new insights arising from the integration of molecular biology, living collections, and herbarium data.

i) Garima Singh: Genes, Populations, and Molecules: Towards Integrated Research on Plant and Fungal Diversity

ii) Lucia Bortolini: Maintaining Urban Green Areas for Biodiversity Conservation

iii) Yasaman Ranjbaran: Herbaromics: Herbaria as Archives of Biodiversity and Global Change

# 11:10 – 12:05 | Session 3 – Resilience

Functional ecology and the study of plant traits as tools to understand and predict species' ability to cope with environmental stress and climate change.

i) Francesco Petruzzellis: Functional ecology in a changing world: trait-based approaches to understanding plant responses to environmental change

ii) Marco Carrer: Ecological and Environmental insights from tree-ring analysis in woody species

iii) Sara Natale: Exploring Photosynthetic Diversity: the Role of Phylogeny and Environmental Plasticity

# 12:05 – 13:00 | Session 4 – Conservation

Innovative strategies for integrated biodiversity conservation, from genomics to the management of living collections.

i) Francesco Dal Grande: From Genomes to Gardens: Innovative Pathways for Biodiversity Conservation

ii) Lorenzo Marini: Global Change and Conservation of Alpine Flora

iii) Marco Canella: Using Ecological and Taxonomic Knowledge to Guide Conservation Action

# 13:00 – 13:20 | Poster Speed Talks

Quick 1-minute pitches (1 slide each) for all poster presenters.

# 13:20 – 13:30 | Concluding Remarks

Prof. Tomas Morosinotto – A Garden in Progress: Research, Communication, and Future Vision.

# 13:40 – 15:00 | Poster Session & Refreshments – Sala Colonne

Informal discussion around posters, fostering dialogue among research groups and guests. The poster session also highlights the Garden's main infrastructures and activities: germplasm bank, living collections, herbarium, library, Biodiversity Garden, research labs, and communication initiatives.