

# Special Issue

## Genetic Innovation and Breeding in Ornamental Plants

### Message from the Guest Editors

This Special Issue aims to provide an accessible collection of research that shares the latest innovative results from the research field of ornamental plants to aid further studies on ornamental and resistant traits in plants. At the forefront of ornamental plant science, researchers are unraveling the complex mechanisms behind the key traits that determine the attractiveness and vitality of these plants. Advances in new technologies and strategic approaches are not only reshaping our understanding of ornamental plant biology, but are also driving the development of cutting-edge breeding techniques. Topics of this Special Issue include, but are not limited to, the following: Origin and evolutionary analysis of ornamental plants; new and innovative results in ornamental woody plant genetics and breeding; the function of key genes for ornamental and resistance traits in ornamental plants; the genomics, epigenomics, transcriptomics, and metabolomics of ornamental plants; the epigenetic regulation of ornamental and resistant traits; transcription factor and regulatory networks in ornamental plants; and novel technologies and strategies for ornamental plants studies.

### Guest Editors

Dr. Lulu Li

Dr. Ping Li

Prof. Dr. Adriana F. Sestras

Dr. Yiqian Ju

### Deadline for manuscript submissions

30 November 2025



# Horticulturae

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## About the Journal

### Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies (DiSTeBA), Salento University, Lecce, Italy

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