

# Special Issue

## Molecular Biology for Stress Management in Horticultural Plants

### Message from the Guest Editors

This initiative aims to gather and disseminate the latest advancements in the field. We cordially invite researchers to submit their work on the following topics:

- Identification and Functional Analysis of Key Genes: Studies that identify and characterize genes critical for stress tolerance in horticultural crops, elucidating their roles and mechanisms of action.
- Transcriptional and Post-transcriptional Regulatory Networks: Research that explores the complex networks regulating gene expression at both transcriptional and post-transcriptional levels, including the involvement of non-coding RNAs and regulatory proteins.
- Epigenetic Modifications: Investigations into the role of epigenetic modifications, such as DNA methylation, histone modification, and chromatin remodeling, in modulating gene expression under stress conditions.
- Omics Technologies: Applications of omics technologies (genomics, transcriptomics, proteomics, and metabolomics) to uncover novel regulatory pathways and integrative mechanisms that contribute to stress resilience in horticultural plants.

We hope this collection will serve as a valuable reference of horticultural crops in the face of environmental challenges.

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### Guest Editors

Dr. Lixiang Miao

Dr. Ming Jiang

Dr. Qian Shen

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### Deadline for manuscript submissions

10 March 2026



## 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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