

# Special Issue

## Enhancing Stress Tolerance in Horticultural Plants Through Genomics and Gene Editing

### Message from the Guest Editors

Recent advances in genomics and gene editing have provided unprecedented opportunities for the improvement of horticultural crops. Traits such as yield, quality, stress tolerance, disease resistance, and postharvest performance can now be precisely modified and enhanced. This Special Issue aims to collect original research and review articles that explore the physiological, biochemical and molecular basis of horticultural traits and highlight the application of innovative biotechnologies across fruits, vegetables, ornamentals, and bamboos. The scope of this Special Issue includes the genome sequencing and functional genomics of horticultural species, CRISPR/Cas-mediated trait modification, the discovery of key regulatory genes, molecular breeding strategies, and the integration of multi-omics approaches. By compiling contributions from diverse fields, this Special Issue seeks to provide a platform for sharing innovative findings, promoting collaboration, and accelerating the translation of molecular insights into practical horticultural applications.

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### Guest Editors

Dr. Li-Jun Huang

Dr. Song Sheng

Dr. Xiao-Long Jiang

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### Deadline for manuscript submissions

15 June 2026



# Horticulturae

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*Horticulturae*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[horticulturae@mdpi.com](mailto:horticulturae@mdpi.com)

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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, 73100 Lecce, Italy

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