

# Special Issue

## Transcriptional Regulation of Horticultural Plants Under Abiotic Stress

### Message from the Guest Editor

Abiotic stress, including drought, salinity, and extreme temperatures, poses significant challenges to horticultural plant productivity and quality. Understanding how plants regulate gene expression in response to these stresses is crucial for developing resilient crop varieties. This Special Issue delves into the complex world of transcriptional regulation in horticultural plants under abiotic stress conditions. The collection of articles in this issue provides a comprehensive overview of recent advances in the field. It covers the molecular mechanisms underlying stress-responsive gene regulation, including the roles of transcription factors, epigenetic modifications, and signaling pathways. This Special Issue aims to provide researchers, agronomists, and biotechnologists with a valuable resource on the latest developments in transcriptional regulation of horticultural plants under abiotic stress. By integrating molecular insights with practical applications, it seeks to pave the way for innovative approaches to improve crop performance and sustainability in the face of increasing environmental challenges

### Guest Editor

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### Deadline for manuscript submissions

closed (25 February 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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