

# Special Issue

## Physiological and Biochemical Responses of Horticultural Crops to Saline Stress

### Message from the Guest Editors

Soil salinization seriously inhibits the growth and development of plants, resulting in substantial losses in horticultural crop yields worldwide. Therefore, understanding the molecular mechanism of plants in response to saline stress and improving stress resistance are essential for agricultural production and environmental sustainability. Plants have adapted multiple responses to saline stress, including the expression of stress-response genes, ROS homeostasis, and the production of secondary metabolites. The purpose of this Special Issue, “Physiological and Biochemical Responses of Horticultural Crops to Saline Stress,” is to present original research and review manuscripts focused on horticultural crops’ adaptation mechanisms to saline stress at the molecular, cellular, tissue, morphological, and physiological levels and propose novel solutions to increase the adaptability of the plants to saline stress.

### Guest Editors

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### Deadline for manuscript submissions

20 September 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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