

# Special Issue

## Studies on Biotic and Abiotic Stress Responses of Horticultural Plants

### Message from the Guest Editors

Plants are continuously affected by a wide range of biotic and abiotic stresses. Biotic and abiotic stress, such as increased periods of water shortage, the presence of heavy metals, higher temperatures, salinity, nutrient availability, increased CO<sub>2</sub> concentrations and diseases caused by fungi, bacteria, nematodes and herbivores, can affect most horticultural plants' growth and development. Nowadays, many investigations have highlighted the positive aspects of gas signal molecules as well as plant hormones, such as hydrogen gas, hydrogen sulfide, auxins, gibberellins, abscisic acid, cytokinins, ethylene, salicylic acid and jasmonic acid, under biotic and abiotic stresses. The advent of genomic studies and gene discovery has also presented an excellent opportunity to improve the stress tolerance of horticultural plants. This Special Issue will consider the studies on biotic and abiotic stress responses of horticultural plants. Under stress, horticultural plants generate some appropriate regulatory mechanisms, including gas signal molecules, plant hormones, genomics, metabolomics, etc., which are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 August 2024)



# 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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