

# Special Issue

## Bioactive Compounds from Horticultural Plants and Plant Byproducts: Cultivating Innovation for a Sustainable Future in Food Systems

### Message from the Guest Editors

This Special Issue welcomes studies focused on the characterization and profiling of bioactive compounds from a variety of horticultural plants, with an emphasis on fruits, vegetables, herbs, and spices. It seeks to highlight the latest research advancements in preharvest and postharvest treatments of horticultural crops, particularly their impact on bioactives, and explore methods for optimizing bioactive enhancement. In addition, this Special Issue aims to identify significant nutraceuticals from horticultural plants and waste, which may be applied in various forms (e.g., extracts, ingredients) in functional foods and packaging materials, thereby contributing to the valorization and sustainable cultivation of horticultural plants and addressing waste reduction.

### Guest Editors

Prof. Dr. Charalampos Proestos

Dr. Aleksandra Bajić

Dr. Marijana Djordjević

Dr. Miljana Djordjević

Dr. Jelena Tomić

### Deadline for manuscript submissions

31 December 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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