

# Special Issue

## Advances in Phytochemical Properties and Bioactive Compounds of Horticultural Crops

### Message from the Guest Editors

Horticultural crops comprise a large variety of plants that include edible vegetables and fruits, alongside medicinal and ornamental plants. Representing an important source of bioactive compounds, horticultural plants possess phytochemical properties with multiple applications; these include the production of nutraceuticals, functional foods, and food additives. Moreover, numerous bioactive compounds (e.g. anthocyanidins, flavans, flavonoids, phenolic compounds, tannins, etc.) have been identified and isolated from horticultural crops, and many are responsible for pharmacological activities (antioxidant, antimicrobial, antiinflammatory, anticarcinogenic, etc.) that have a positive impact on human health. Our interest in enhancing the cultivation and availability of horticultural plants implicitly highlights the need for the continuous evaluation of plant resources in order to accumulate information regarding their phytochemical content and properties, with the aim of utilizing plant-produced bioactive compounds in novel ways. We look forward to receiving your submissions to Special Issue entitled “Advances in Phytochemical Properties and Bioactive Compounds of Horticultural Crops”.

### Guest Editors

Dr. Irina-Claudia Alexa

Prof. Dr. Bianca Furdui

Prof. Dr. Rodica-Mihaela Dinica

### Deadline for manuscript submissions

10 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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