# Special Issue

# Metabolites Biosynthesis in Horticultural Crops

### Message from the Guest Editors

Fruits, vegetables, herbs and spices are among the most important sources of bioactive compounds that have been shown to have a positive effect on human health and diet. Plants produce hundreds of thousands of structurally diverse secondary metabolites that are responsible for quality attributes and contribute to the marketability and attractiveness of horticultural crops. Investigating the metabolic pathways and signal transduction mechanisms governing the synthesis and regulation of many specialized metabolites in plant cells would enhance our understanding of the regulatory patterns of secondary metabolites in a wide variety of crops. Secondary metabolites are highly reactive, and their accumulation is influenced by both biotic and abiotic stress conditions, which can have negative effects on physiological and morphological characteristics of plants. *Horticulturae* invites scientists to share their knowledge of recent discoveries in biosynthesis, pathway regulation, pathway evolution, and other broad aspects of specialized metabolites in horticultural crops.

### Guest Editors

Dr. Ilinka Pecinar
Prof. Dr. Gianluca Caruso
Dr. Otilia Cristina Murariu

### Deadline for manuscript submissions

closed (20 May 2026)

**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.

### Editor-in-Chief

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