

# Special Issue

## Pre- and Post-Harvest Factors Regulating Secondary Metabolites in Fruit

### Message from the Guest Editors

In recent years, fruits have received increased interest as good sources of natural antioxidants and bioactive compounds. These biochemical constituents, which play a pivotal role in human nutrition and health, are an important source of vitamins, minerals, and other disease-fighting phytochemicals. In this context, it is important to investigate the modifications occurring during maturity and how they affect tree and ripening processes post-harvest. In addition, a number of pre-harvest factors affect fruit quality, i.e. environmental conditions, genotype, rootstock influence, cultural practices and agronomic techniques, mineral nutrition, water supply, etc. The items linked to the post-harvest management of fruit are topical factors that influence qualitative traits, i.e., cultivar, maturity stage, harvest period, and applied technologies (sorting and grading, packaging, storage conditions and transportation), during the post-harvest chain. This Special Issue will extensively cover the topics of pre- and post-harvest factors, focusing on fruit physiology and biochemistry in order to maintain the overall quality of fresh produce.

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### Guest Editors

Prof. Dr. Pilar Legua Murcia  
Dr. Alberto Continella  
Dr. Giulia Modica

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### Deadline for manuscript submissions

closed (20 September 2025)



# Horticulturae

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### 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

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