

Special Issue

Sustainable Approaches for Fruit Quality of Horticultural Crops

Message from the Guest Editors

This Special Issue highlights sustainable approaches for enhancing the nutritional, sensory, and functional quality of fruits while reducing the environmental footprint of horticultural production. A special focus is placed on bioactive compounds such as polyphenols, carotenoids, and vitamins, because of their pivotal role in both human health and market value. Central to this aim is understanding how nutrient management practices, cultivation techniques, and climate-related stressors intersect to shape both crop performance and end-product quality. We welcome original research and reviews that examine and evaluate the following topics:

- The combined effects of environment, management, and genotype on fruit quality;
- Practical strategies for boosting nutrient use efficiency and the accumulation of health-promoting phytochemicals through innovative fertilisation regimes, biostimulants, or soil health interventions;
- Integrated, eco-friendly production systems capable of sustaining yield, bioactive compound richness, and consumer appeal under changing climatic conditions.

Guest Editors

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Deadline for manuscript submissions

20 March 2026



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/249957

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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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