

Special Issue

Orchard Management: Strategies for Yield and Quality

Message from the Guest Editors

Fruit production is a complex process influenced by various environmental, genetic, cultural, and management factors. Meeting rising consumer expectations and stringent market standards while ensuring long-term sustainability and productivity poses significant challenges. Therefore, optimizing both yield and fruit quality requires reliable and precise orchard management based on up-to-date knowledge. The key strategies include selecting appropriate cultivars and rootstocks, optimizing the planting density and orchard architecture, crop load management, implementing tailored fertilization and irrigation practices, and using plant hormones, biostimulants, and supportive tools based on numerical models. This Special Issue aims to collect cutting-edge research papers on modern fruit-growing practices, providing insights into advanced techniques for enhancing effective high-quality fruit production.

Guest Editors

Dr. Sebastian Przybyłko

Department of Pomology and Horticulture Economics, Institute of Horticultural Sciences SGGW, Nowoursynowska 159 Str., 02-787 Warsaw, Poland

Dr. Ioannis E. Papadakis

Laboratory of Pomology, Department of Crop Science, Agricultural University of Athens, 11855 Athens, Greece

Deadline for manuscript submissions

closed (28 February 2026)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



mdpi.com/si/206386

Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)



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

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, 73100 Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Horticulture) / CiteScore - Q1 (Horticulture)