

Special Issue

Latest Advances in Horticulture Production Equipment and Technology

Message from the Guest Editors

Recent advances in the production of horticultural equipment and technology have significantly transformed the way crops are grown, harvested, and processed. Innovations in precision agriculture, such as automated systems and sensors, have enabled farmers to optimize resource use and enhance crop yields. Robotic harvesters and planters are increasing the speed and accuracy of planting and harvesting operations, while reducing labor costs. The integration of artificial intelligence and machine learning algorithms in horticulture equipment enables the use of predictive analytics, which can forecast crop diseases and pest infestations, thus enabling proactive management strategies. Furthermore, the use of renewable energy sources, such as solar-powered irrigation systems, is contributing to the development of sustainable farming practices.

Innovations in post-harvest technology, such as automated sorting and packaging machinery, have enhanced the quality and shelf-life of produce. These advancements collectively contribute to a more efficient, productive, and sustainable horticulture industry.

Guest Editors

Dr. Baolong Wang

Dr. Runmao Zhao

Dr. Kai Cao

Deadline for manuscript submissions

closed (5 December 2025)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/219457

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 5.1



[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)