

## Special Issue

# Water and Fertilizer Management and Sustainable Use in Horticultural Production

### Message from the Guest Editors

water and fertilizer resources are limited and, new approach is required that comprehensively uses the concept of sustainability, ecologically, socially, and economically. Horticulture production is one of the most intensive agricultural systems, requiring high input from growers. Global warming and climate change are causing major changes in our food system, making it necessary to modify current horticultural food production strategies. The SDGs address the global challenges we face.

Contributions can focus on new trends in fertilization and fertigation, including aspects such as the reduction in consumption, efficiency of use, biofertilizers, nanofertilizers, and development stimulants, without excluding other aspects, experiences, and strategies to promote a more sustainable agriculture. Furthermore, there should be a focus on the use of new production strategies and systems: floating, closed soilless growing, soil and media properties, vertical crops, modeling, and any other innovation that has improved the efficiency and sustainability of water and fertilizers, for the production of high-quality commodities that make their management sustainable and efficient.

---

### Guest Editors

Dr. Miguel Guzmán

Dr. Raul I. Cabrera

Dr. María Fernanda Quintero Castellanos

Dr. Maria del Carmen Salas Sanjuán

---

### Deadline for manuscript submissions

closed (25 January 2025)



## Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/192655](https://mdpi.com/si/192655)

*Horticulturae*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[horticulturae@mdpi.com](mailto: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, 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)