

# Special Issue

## Plant-Parasitic Nematodes in Horticultural Crops

### Message from the Guest Editors

Plant-parasitic nematodes (PPN) are one of the most devastating pathogens, affecting yields in horticultural crops. There is a need to increase knowledge of plant-nematode interactions; research on new and friendly control methods; the understanding of multitrophic interactions and plant defence mechanisms induced by biotic and abiotic agents against PPN; the information of soil suppressiveness mechanisms against PPN, etc.

Moreover, in a climate change scenario, the geographical distribution of nematodes may also change, thus, requiring more studies on the interaction between PPN and crop yields. In this Special Issue, the welcome high-quality original research manuscripts as well as reviews in the following topics related to horticulture crops:

- Geographical distribution of nematode species;
- Molecular characterization and phylogeny. New taxonomic groups;
- Agricultural management on plant-parasitic nematodes;
- Plant-nematode interaction;
- Multitrophic interactions;
- Induced plant defence mechanisms by biotic and abiotic agents;
- Soil suppressiveness and soil biodiversity interactions.

---

### Guest Editors

Dr. Ariadna Giné Blasco

Agri-Food Engineering and Biotechnology Department, Universitat Politècnica de Catalunya, Esteve Terradas 8, 08860 Castelldefels, Spain

Prof. Dr. Francesc Xavier Sorribas Royo

Agri-Food Engineering and Biotechnology Department, Universitat Politècnica de Catalunya, Esteve Terradas 8, 08860 Castelldefels, Spain

---

### Deadline for manuscript submissions

closed (15 December 2023)



## Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.1



[mdpi.com/si/147893](https://mdpi.com/si/147893)

*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 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)