

# 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.

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### Deadline for manuscript submissions

closed (15 December 2023)



## Horticulturae

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### 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.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
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