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Plant-Parasitic Nematodes in Horticultural Crops

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Deadline for manuscript submissions:
closed (15 December 2023)

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 Guest Editors 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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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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