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Interactions between Fungi and Plant Parasitic Nematodes

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Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

Fungi and nematodes have crucial roles in maintaining ecosystem stability and nutrient cycling. Plants can be influenced by the complex interplay among these associated organisms. This Special Issue contributes to a deeper understanding of the complex relationships between fungi and nematodes towards plant health, and their applications in sustainable agriculture and plant protection.

Potential topics include, but are not limited to:

- Attraction and repulsion dynamics;
- Chemosensation, communicators, signal pathways, and receptors;
- The influence of environmental factors on fungal-nematode interactions;
- Host specificity and selectivity in fungal-nematode interactions;
- Application of omics technologies to study fungal-nematode interactions;
- The role of fungal-nematode interactions in the development of plant diseases;
- Fungal nematicidal potential in nematode management strategies;
- Ecological impacts of fungal-nematode interactions in soil ecosystems;
- Future perspectives for biological control in agriculture.

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Special Issue

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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