# Special Issue

# Approaches for Plant-Parasitic Nematode Control

### Message from the Guest Editor

This Special Issue focuses on alternative strategies that promote the natural resilience of plants against nematodes, including biological control agents, resistant crop varieties, and improved soil health practices. Biological control, through the use of nematophagous fungi, bacteria, and entomopathogenic nematodes, holds promise for reducing nematode populations while maintaining ecological balance. Additionally, crop rotation, cover cropping, and organic amendments offer avenues to suppress nematode densities naturally.

We also encourage contributions on molecular and genetic techniques, such as RNA interference (RNAi) and CRISPR/Cas9, that target nematode-specific genes and disrupt their development and infectivity. Insights into plant-nematode interactions, root exudates, and soil microbiomes will provide a comprehensive understanding of these systems, paving the way for innovative and sustainable nematode control.

Through this Special Issue, we aim to advance knowledge on sustainable nematode management, contributing to resilient agroecosystems and improved crop productivity while minimizing reliance on chemical interventions.

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### Deadline for manuscript submissions

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