

## 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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### Guest Editor

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### Deadline for manuscript submissions

closed (25 May 2025)



## Agriculture

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### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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