

Special Issue

New Strategies for the Control of Plant-Parasitic Nematodes

Message from the Guest Editor

Plant-parasitic nematodes pose a significant threat to global agriculture, causing substantial yield losses and economic damage. It is imperative to develop effective and sustainable methods to combat these pests while reducing the reliance on chemical nematicides. We aim to shed light on research and novel approaches in the control of plant-parasitic nematodes. We encourage submissions exploring not only conventional strategies but also groundbreaking techniques that efficiently combat nematode-related challenges while minimizing ecological risks. Contributions may cover a broad range of topics including, but not limited to, the following:

- Emerging trends and technologies in nematode management;
- Efficacy and limitations of chemical control methods;
- Utilization of natural enemies for biological control;
- Genetic approaches for engineering nematode-resistant crops;
- Sustainable farming practices that mitigate nematode damage;
- Underground interaction mechanisms between plants and nematodes;
- Innovative nematode diagnostic techniques.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2026)



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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