



Plant-Parasitic Nematodes Management – the Second Edition

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Message from the Guest Editor

Root-knot nematodes *Meloidogyne* sp. constitute economically significant agricultural pests distributed worldwide, and create complexes with soil pathogens, eventually leading to total crop loss. To a great extent, the management of root-knot nematodes has relied on the use of synthetic nematicides, many of which have been withdrawn from the market due to a concern for their ecotoxicity. The products that remain commercially available undergo microbial decomposition in soils as a result of their repetitive use, thus causing the deprivation of expected efficacy levels. In this context, new nematode control tools need to be developed to efficiently combat nematodes, while avoiding the cause any harm to the consumer and the environment.

This Special Issue welcomes the submissions of original research papers and reviews that focus on the use of organic amendments, cover crops, and plant extracts, but also refined botanical compounds, to combat phytoparasitic nematodes. The submitted articles may also involve chemical composition analysis, extraction procedures, mechanisms of action, phytotoxicity issues, secondary effects on non-target organisms, synergic interactions among nematicidal ingredients, the effects on host defense mechanisms, and waste management in the context of nematode management.





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Message from the Editor-in-Chief

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