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Biological Control of Plant Parasitic Nematodes

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Message from the Guest Editors

Plant-parasitic nematodes (PPNs) cause tremendous crop damages and significant economic losses in cultivated plants all over the world. Over the past 50 years, the control of PPNs has been based primarily on the use of synthetically produced chemicals. Although chemicals were very effective, providing rapid kill of nematodes, many of those chemicals were removed from the market due to the increasing concern about environmental contamination and human risks. Additionally, the increasing adverse effects to the environment arisen from the use of chemicals have forced scientists to search for and test other means of nematodes management, such as biocontrol agents. Several attempts have been made to use antagonistic or nematophagous fungi and nematode parasitic or rhizosphere bacteria. The extensive research on biocontrol agents has resulted in the market release of some very promising bionematicides. The objective of this Special Issue is to include, in a volume, the current knowledge of the extensive research done on the use of biocontrol agents against plant-parasitic nematodes.

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Message from the Editor-in-Chief

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