

Special Issue

Effects of Nematodes on Crops

Message from the Guest Editor

Nematodes are an essential component in any global soil ecosystem and have key roles in completely contrasting two functions: beneficial and harmful to crop production. Free-living nematodes are beneficial in nutrient cycling in soil and consist of bacteriovores, fungivores, predators, and omnivores based on what they feed on. Natural nutrient supply capacity mediating by soil microbes and animals, including free-living nematodes, is important in sustainable crop production. By contrast, plant parasitic nematodes are harmful to plants and cause \$US80 billion damage to global crop production. Thus, it is absolutely important to develop environmentally friendly control measures against plant pathogens. In this Special Issue, we expect to receive contributions in studies on any aspect on the effects of nematodes on crops. Research areas covering this Special Issue are, e.g., ecology of free-living or plant parasitic nematodes, molecular diagnosis of important nematodes, new nematode diseases, and novel or feasible biological, chemical, or physical control of plant parasitic nematodes.

Guest Editor

Dr. Koki Toyota

Graduate School of Bio-Applications and Systems Engineering, Tokyo
University of Agriculture and Technology, Tokyo 184-8588, Japan

Deadline for manuscript submissions

closed (20 July 2023)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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