

Special Issue

Microbial Control of Crop Diseases: Limitations and Optimizations

Message from the Guest Editor

The number of studies on the development of alternative solutions, such as the use of microbial biological control agents (MBCAs), to suppress or manage pathogen development has significantly grown over the past 30 years. Despite their effectiveness in the lab, their effectiveness under greenhouse or field conditions is often disappointing. Moreover, effective solutions for controlling diseases remain insufficiently proposed to farmers. This Special Issue will focus on “Microbial Control of Crop Diseases: Limitations and Optimizations”. We welcome original research articles, reviews, and opinion pieces on any related topic, including the development of new agent screening methods; the factors involved in the erosion of biocontrol effectiveness; biocontrol mechanisms and their modulation with regard to plant physiology, plant genotype, or the growing conditions of MCBAs; implications of the combination of various modes of action for biocontrol effectiveness; population modeling of applied MCBAs; and possible risks of MCBAs and their secondary metabolites for humans or non-targeted organisms.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2022)



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Editor-in-Chief

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