Special Issue

Biocontrol Agents for Sustainable Plant Disease Management

Message from the Guest Editor

The application of pesticides for disease control in agriculture is a common practice worldwide that guarantees crop quality; however, their use can pose a significant risk to ecosystems and human and animal health. Given the growing concern for producing food without harming the planet and its living components, other alternatives for controlling plant pathogens now exist, such as the application of microorganisms as biocontrol agents (BCAs), which include bacteria, fungi, yeasts, and actinomycetes, among others. BCAs have demonstrated high efficiency in in vitro and in vivo studies compared to synthetic pesticides for controlling plant pathogens. The incorporation of BCAs into agricultural production schemes is a global challenge; however, their role as an important component of sustainable agriculture will contribute to food sovereignty. This Special Issue seeks to provide an overview of the most recent advances in the use of BCAs for globally important plant pathogens and their potential incorporation into crop agronomic management.

Guest Editor

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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, 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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