Special Issue

Biological Control of Plant Diseases

Message from the Guest Editors

Among microorganisms that inhabit soils, some species of bacteria and fungi are effective as biocontrol agents (BCAs). They are able to reduce the growth of plant pathogens via several mechanisms. They also induce different defense responses in host plants, such as systemic acquired resistance (SAR) and/or induced systemic resistance (ISR). Furthermore, some BCAs determine a higher tolerance of the plants against abiotic stresses due to their action in promoting plant growth and development, synergetic or antagonistic interactions between plant hormones, and antioxidant defense mechanisms. In this regard, this Special Issue aims to offer the opportunity for a challenge in sustainable agriculture, providing an up-to-date overview of the actual breakthroughs in the use of biological control of plant diseases against pathogens, parasites, and abiotic stressors. Experts and researchers are invited to contribute with original research, short communications, reviews, hypotheses, opinions, and perspectives on all topics related to biological control of plant diseases.

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About the Journal

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.

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