Special Issue

Detection and Control of Plant Pathogens

Message from the Guest Editor

Disease management of crops has been a constant challenge worldwide. The complex tri-way interaction of a susceptible plant, virulent pathogen, and the changing climate, often limits the efficacy of disease control measures. The conventional practices of chemical application results in accumulation of chemical residues in crops and the environment. This prompts the exploration of new biological agents or their derivatives, which are useful in controlling plant pathogens. This Special Issue aims to discover new bioagents that are potent in suppressing the growth of plant pathogens. This can be achieved via the production of specific biomolecules, enzymes, and volatile and non-volatile inhibitors from various biological organisms such as microorganisms, plants, marine organisms or even agricultural wastes. These bioactive compounds are alternatives to the chemical agents. The scope of the issue will cover current advances in sourcing, identifying, characterizing, or innovating the biomolecules or bioagents for plant disease control. This can lead to the discovery and application of new bio-based agents, advocating for a greener and more sustainable method in crop disease management.

Guest Editor

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Deadline for manuscript submissions

closed (15 July 2022)

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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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