

Special Issue

Natural Products for Plant Pest and Disease Control

Message from the Guest Editor

The scope of this Special Issue will include products taken directly from nature and used as is, as well as products that have been originally sourced from nature, but which have been subsequently purified and/or combined with other natural products and/or synthesized in the laboratory. It will not include biocontrol agents, which are living organisms in their own right, and therefore are not considered to be inanimate products. Plants can include both terrestrial and freshwater/marine species; disease-causing pathogens encompass all manner of fungi, oomycetes, bacteria, viruses and protozoa; and pests can be insects, invertebrates such as slugs, and vertebrates. The papers must demonstrate efficacy of pest/disease control without significant phytotoxicity or other adverse effects on the host, the environment or human health. Novel research contributions are welcome, exploring all aspects of natural product application on the host/pathogen/pest interaction including efficacy trials/assays, demonstration of integration into an integrated pest management program, and mode-of-action studies based on transcriptomics, metabolomics, and proteomics.

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.

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