



Weaponizing Plants: Biocontrol and Biosecurity in Plant Protection

Guest Editors:

Prof. Dr. Francesca Degola

francesca.degola@unipr.it

Prof. Giovanna Visioli

giovanna.visioli@unipr.it

Dr. Agnieszka Jamiołkowska

aguto@wp.pl

Dr. Izabela Kot

izabela.kot@up.lublin.pl

Deadline for manuscript
submissions:

31 December 2021

Message from the Guest Editors

Dear Colleagues,

Innovative bioprotection strategies, as well as the biological control of crop pests, is the new frontier for the sustainable future of plant health, demanding emerging technologies which facilitate the understanding and exploitation of the mechanisms involved.

This Special Issue aims to collect the most updated insights and experimental developments intended to increase plants' health and biosecurity. Original research papers and reviews describing agronomic practices, traditional breeding, bioinformatics, biological control agents (such as beneficial microorganisms or competitors), plant resistance against pests and pathogens, direct or indirect antagonistic interaction with the pathogen (or competition for nutrients and space), hyperparasitism or antibiosis, and the production/regulation of secondary metabolites with biocontrol activity (or supporting antagonists to gain a competitive advantage), are encouraged and welcomed. A particular attention to the plant standpoint is highly recommended.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, AGRICOLA, AGRIS, CAPlus / SciFinder, and many other databases.

Journal Rank: [JCR - Q1 \(Plant Sciences\)](#) / [2020 CiteScore - Q2 \(Plant Science\)](#)

Contact Us

Plants
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[@Plants_MDPI](https://twitter.com/Plants_MDPI)