

Special Issue

Biopesticides for Plant Protection

Message from the Guest Editors

Biopesticides derived from phytochemicals provide a promising alternative to chemical pesticides in managing plant pests. However, the effectiveness of phytochemicals may vary depending on the target pest species, concentration, and application method. Thus, further research and development are still needed to optimize their formulations, application methods, and overall efficacy in order to ensure their widespread and sustainable use. This Special Issue aims to extend the current knowledge on biopesticides for plant protection through studies exploring the biological activity of phytochemicals for pest and disease control.

Guest Editors

Dr. Jorge Miguel Silva Faria

1. National Institute for Agriculture and Veterinary Research (INIAV), Plant Health, Nematology, 2780-159 Oeiras, Portugal
2. GREEN-IT Bioresources for Sustainability, Instituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa (ITQB NOVA), Av. da República, 2780-157 Oeiras, Portugal

Dr. Maria De Lurdes Inácio

1. National Institute for Agriculture and Veterinary Research (INIAV), Plant Health, Nematology, 2780-159 Oeiras, Portugal
2. GREEN-IT Bioresources for Sustainability, Instituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa (ITQB NOVA), Av. da República, 2780-157 Oeiras, Portugal

Deadline for manuscript submissions

31 March 2025



Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



mdpi.com/si/192472

Plants
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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





Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



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



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, and 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

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)