

Special Issue

Physiology, Biochemistry and Interaction with Plants of Yeast and Filamentous Fungi

Message from the Guest Editors

The interaction between fungi and plants is complex. Different perspectives on this interaction have been developed under different scenarios. With the arrival of climatic changes that produce droughts or floods, plants will be highly affected. Therefore, to mitigate negative impacts, adaptation mechanisms must be established, which involve biochemical and physiological adjustments. In this sense, interactions with fungi, yeasts and bacteria will be important for the benefit of plants or their adaptation to the environment. The interest in understanding the mechanisms that underlie the phytopathogen–plant interaction has allowed us to advance the knowledge of biochemical and physiological aspects occurring not only at the plant level when responding to phytopathogen attack, but also regarding the changes that these pathogens present. In this Special Issue, we welcome colleagues to contribute critical review articles or original research articles that include biochemical and physiological aspects arising in this interaction, either by the plant or by the phytopathogen.

Guest Editors

Prof. Dr. Guerra-Sánchez Guadalupe

Departamento de Microbiología, Instituto Politécnico Nacional, Escuela Nacional de Ciencias Biológicas, Plan de Carpio y Plan de Ayala S/N
Santo Tomás, Miguel Hidalgo, Mexico City C.P. 11340, Mexico

Prof. Dr. Franco Nigro

Department of Soil, Plant and Food Sciences, University of Bari Aldo Moro, Via Amendola 165/A, 70126 Bari, Italy



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/si/161308](https://www.mdpi.com/si/161308)

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

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

Deadline for manuscript submissions

closed (31 August 2023)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](http://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, 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)

