



plants



an Open Access Journal by MDPI

Plant Disease Control: Molecular and Cellular Aspects

Guest Editor:

Dr. Corinne Schmitt-Keichinger

UMR 1131 Santé de la Vigne et
Qualité du Vin, INRA-Université
de Strasbourg, 68000 Colmar,
France

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editor

Plant diseases have since antiquity shaped many aspects of our societies and agricultural practices. A better understanding of the interactions that plants establish with potential pathogens and what determines the outcome of these interactions would provide new opportunities to manage plant disease. This Special Issue of *Plants* invites original papers, reviews, and opinions on all aspects of plant adaptation to biotic stress with an emphasis on descriptive and mechanistic features at the cellular, tissue, or whole plant level. From pathogenesis to tolerance or resistance, all mechanisms and determinants will give us important insights that could help to understand and enhance plant disease control. In addition, the use of biological agents to prevent the development of plant disease is an old concept that raises renewed interest due to a general desire to reduce the use of pesticides. We now need to better understand how micro-organisms interact with the plant and with other members of the plant-associated microbiota for the isolation and development of effective biological agents. New knowledge on these interactions and mechanisms is welcome.



mdpi.com/si/78060

Special issue



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

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

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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