

Special Issue

Molecular Basis of Disease Resistance in Plants

Message from the Guest Editor

The associations between plants and pathogens are important for plant productivity and breeding strategies. Traditional breeding has allowed the introduction of resistance in plant cultivars and varieties, but new technologies are opening the way for accelerating the development of novel breeding strategies (e.g., omic technologies). A system-based view of plant defense mechanisms and the strategies used by pathogens for plant colonization are essential to target key players that can be modified toward better understanding gene function and increasing host resistance. In this Special Issue, we welcome articles (original research papers, perspectives, reviews, methods) in cell biology, molecular biology, omics (genomics, transcriptomics, proteomics, metabolomics), genetics, and physiology aimed at understanding the interactions between plants and pathogens and/or providing strategies for plant breeding or improving pathogen characterization and diagnostics.

Guest Editor

Dr. Leonardo Miguel Galindo-González
Molecular Identification Research Laboratory, Canadian Food Inspection Agency, Ottawa, ON K2H 8P9, Canada

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

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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, 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

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