

Special Issue

Molecular Plant-Microbe Interactions: Insights on Pathology towards Sustainable Control

Message from the Guest Editor

In order to introduce the efficient control of plant pathogens in sustainable agriculture, crops need to be adequately endowed with disease resistance, or at least tolerance. To this aim, plants have evolved a plethora of highly specialized defense mechanisms to encounter challenges by a majority of rapidly evolving microbial pathogens. These defenses can be also very dynamic, as microbes can act differently upon their co-evolution with the specific hosts. In recent years, advances in genomics technologies and in the field of plant-microbe interactions have allowed us to widely explore the mechanisms controlling plant disease responses, the cross-talk among the recruiting molecular pathways, as well the strategies employed by the pathogens to overcome these defenses. The proper interpretation of molecular plant-microbe interactions could be adopted for sustainable crop protection and pathogen control in phytopathology. In this context, we welcome submissions of any type of research articles, covering the application of a wide range of technologies and molecular plant-microbe interactions which could have an impact towards a more sustainable control of pathogens.

Guest Editor

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Deadline for manuscript submissions

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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.

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