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## Omics in Plant-Pathogen Interaction

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### **Message from the Guest Editors**

Plant immunity is an intricate system that involves a remarkable array of structural, chemical and protein-based layers of defense. On the last decades, the study of plant-pathogen interaction was boosted by the advent of new technologies and the application of several OMIC platforms. Aside from the most well known 'OMIC technologies (transcriptomics, proteomics, metabolomics), tremendous progress has been made leading to the development of newer 'OMIC approaches (ionomics, epigenomics, lipidomics, phenomics) that allow a more comprehensive overview of plant's defense systems.

This special issue focuses on cutting edge knowledge on plants defense mechanisms to different pathogens obtained from the application of OMICs approaches. Also, a specific overview of plant-pathogen interaction including the role of plant symbiontes on the modulation of plant defense responses, the action of pathogen effectors or specific aspects of defense pathways will be considered.

Deadline for manuscript  
submissions:

**closed (31 May 2023)**



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**Special** issue



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## Editor-in-Chief

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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, 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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