

Special Issue

Plant Responses to Bacterial Pathogens

Message from the Guest Editors

Plant pathogenic bacteria are the causal agents of a variety of diseases that affect a wide range of crops, resulting in a reduction in yields and, thus, a detrimental effect on agriculture. Perceiving pathogenic bacteria is essential for the plant to raise alert and trigger a convenient response. Bacterial pathogens deploy an arsenal of virulence factors including, among others, effector proteins, toxins and degradative enzymes that target different plant pathways to suppress plant immunity and to adapt to the environment in order to promote bacterial proliferation. This Special Issue aims to address the diverse responses induced by pathogenic bacteria upon interaction with the plant, including immune responses activated to curb bacterial infection, but also the responses resulting from bacterial manipulation of the host by virulence factors.

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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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