

Special Issue

Induced Resistance of Plants

Message from the Guest Editors

It is well known that plants have developed a wide variety of defense mechanisms in order to protect themselves against different stressors such as pathogens. In addition, induced resistance is the phenomenon in which a plant, once appropriately stimulated, either by biological or chemical inducers, exhibits enhanced resistance against a future attack by pathogenic microbes and herbivorous insects. Induced resistance can be localized as well as systemic and can be triggered by limited pathogen infection, colonization of the roots by specific beneficial microbes, or after treatment with specific chemicals. Therefore, the aim of this Special Issue is to review and discuss novel contributions of the mechanisms regulating plant-induced resistance against biotic stress by natural or chemical compounds, as well as their mode of action based on transcriptomics, metabolomics, proteomics, and microRNAs analysis, contributing to sustainable agriculture.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2023)



Plants

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CiteScore 7.6
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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

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