



## Induced Resistance of Plants

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Deadline for manuscript submissions:

**closed (20 June 2023)**

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

Dear Colleagues,

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.





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## Message from the Editor-in-Chief

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