



Induced Resistance of Plants Volume II

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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. These defense mechanisms can be constituted by pre-formed barriers or inducible responses when defense is activated upon detection of a pathogen attack. The plant hormones ethylene (ET), jasmonic acid (JA), and salicylic acid (SA) play a major regulatory role in plant immune responses. 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.

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.

If you have any plans, please let us know. You could write to us or contact the assistant editor at juicy.yang@mdpi.com



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Message from the Editor-in-Chief

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