

Special Issue

Secondary Metabolites in Plant-Microbe Interactions

Message from the Guest Editors

The relationship between plants and microbes is usually mediated by secondary metabolites. Most of these interactions are advantageous to plants, for their growth and development. Some microbial species are able to break the balance of mutual benefit and become plant pathogens, producing a lot of compounds as virulence factors. Plants defend themselves in response to microbial infections by synthesizing compounds, named phytoalexins, which have long been regarded for their antibiotic, antifungal, and insecticidal activities. The knowledge of plant-microbe interactions could be utilized for the development of efficient and sustainable strategies for the screening of producing compounds and for the agricultural potentials of secondary metabolites in crop protection. Researchers are warmly invited to submit research covering, but not limited to, the isolation, the chemical/biological characterization and the development of strategies for the screening of metabolites involved in plant-microbe interactions produced in vitro and in vivo.

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