



Metabolomic and Transcriptomic Response of Plants to Beneficial Microbes

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Message from the Guest Editors

The field of plant–microbe interactions has been the focus of extensive research for decades, leading to discoveries that allow the use of beneficial microbes as plant probiotics and as biocontrol agents. Despite this, many of the positive responses of the plant to these microorganisms remain undescribed. Now, the emergence and development of metabolomic and transcriptomic (RNA-Seq) methodologies enables us to almost fully understand these responses. Here, we present a new Special Issue (SI) for Agronomy, entitled “Metabolomic and Transcriptomic Response of Plants to Beneficial Microbes”. With this SI, we aim to gather knowledge regarding the molecular mechanisms triggered in those interactions involving plants and beneficial microbes. The transcriptomic and metabolomic information obtained from plant–microbe interaction will provide new insights to develop strategies to improve crop productivity and resilience to biotic and abiotic stresses.





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