

Special Issue

Plant–Microbe Interactions in Arid Environments

Message from the Guest Editor

The scientific community customarily classifies endophytes into three main subsets based on facultative, obligate, or opportunistic colonization of the host plant. The interactions between plants and beneficial microorganisms have been explored but have become a hot topic in the search for biological control and growth promotion strategies, with the importance of these interactions to both symbionts in terms of enhanced adaptability, survival, and fitness. However, a complete understanding of the mechanisms underlying such interactions has not yet been achieved. Likewise, the extent to which external biotic and abiotic factors influence these relationships remains for the most part unclear. A deeper understanding of the interactions between microorganisms and their plant hosts will also be of great benefit to the growing agricultural biotechnology industry. This Special Issue calls for manuscripts that focus on the progress and current understanding of different aspects of fundamental and applied research related to beneficial plant–microorganism interactions and how these interactions can be implemented to improve agricultural sustainability.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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