Special Issue

Advances in Plant-Microbe Interactions

Message from the Guest Editors

There are multiple ways that plants can interact with microbes. Many plant–microbe interactions result in beneficial outcomes for plant, but others can promote diseases or damages to plants and their products. In this regard, microbes can influence plant fitness, either directly by interacting with plants or indirectly through multitrophic interactions. Recent discoveries are changing our perception about plant microbial diversity and function, and new terms have been coined to introduce the essential role played by multiple microorganisms in plant function. In this Special issue, we invite you to send contributions concerning any aspects related with the interaction of microbes with plants, including those related with the well-known plant microbe interactors (e.g., plant-growth-promoting bacteria, mycorrhyzal fungi, endophytes, and epiphytes) and corresponding effects (e.g., for sustainable agriculture). The role of microbes and whole microbial communities for plant and ecosystem outcomes, the molecular aspects behind the interaction, and the exploitation of new technological approaches for understanding plant microbes interactions are also welcome.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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