

# Special Issue

## Plant-Algae-Microbe Interactions and Beyond: Never Alone, Always Together

### Message from the Guest Editor

Bacteria occupy all major ecosystems and maintain an intensive relationship with the photosynthetic eukaryotes, developing into complex biomes such as the phycosphere and the phytosphere (including the phyllosphere, endosphere, and rhizosphere).

Interactions between eukaryotes and bacteria range from cooperative to competitive, with the associated (micro)organisms influencing their hosts' development, growth, and health. This Special Issue of *Microorganisms* aims to provide a scientific platform for scientists to perform fundamental and applied research on natural and synthetic plant (micro)algae-microbe communities and consortia and their arrangements, relationships, and interactions. This Special Issue will include original studies, reviews, communications, and method papers related to the (meta)genomics, (meta)transcriptomics, (meta)proteomics, and metabolomics, etc., on plant-microbe, (micro)algae-microbe as well as microbe-microbe interactions, ranging from beneficial to competing, from aquatic, terrestrial and synthetic ecosystems.

### Guest Editor

Dr. Olga Blifernez-Klassen

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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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### Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).