Special Issue

Harnessing Beneficial Microbiota in Sustainable Agriculture

Message from the Guest Editors

In the face of a rapidly changing climate and the need for sustainable agriculture, harnessing beneficial microbiota has emerged as a promising approach for plant disease management. This strategy leverages the power of naturally occurring microorganisms to protect plants from diseases, reducing the reliance on chemical pesticides. As climate change leads to more unpredictable and severe weather patterns, the ability of plants to fend off diseases becomes increasingly important. Recent research has uncovered exciting possibilities for harnessing microbiota, including the development of biopesticides and probiotics for plants. These solutions not only provide effective disease management but also have the potential to improve crop yields and overall agricultural sustainability. In a changing climate, the smart utilization of beneficial microbiota offers a sustainable and eco-friendly approach to plant disease management, contributing to global food security while reducing the environmental impact of agriculture.

Reviews, original research, and communications are all welcome to contribute to this Special Issue.

Guest Editors

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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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