

Special Issue

Microbial Biotechnologies and Microorganism Interactions for Sustainable Agriculture

Message from the Guest Editors

Microbial biotechnologies have emerged as a cornerstone of sustainable agriculture, offering innovative tools to enhance productivity while preserving environmental integrity. This Special Issue invites high-quality contributions focusing on two key areas: microbial biotechnologies for sustainable agricultural development and the investigation of microorganism interactions with similar objectives. Submissions may include research on biotechnological innovations, bioinoculants, biopesticides, and bioformulations, as well as studies on synergistic and antagonistic microbial interactions that enhance biocontrol and ecosystem health. Contributions addressing the discovery and application of new bioactive molecules, omics-driven insights, and ecological interaction studies are also encouraged. Original research, reviews, and perspectives in these distinct yet complementary fields are welcome to advance the science and practice of sustainable agriculture.

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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