Special Issue

The Role of Microbes in Contaminated Environments

Message from the Guest Editors

The presence of contaminants such as heavy metals, pesticides, and organic pollutants in the environment poses a severe threat to human and environmental health. Microbes have the potential to transform or degrade these harmful pollutants, causing them to be an essential tool for environmental remediation. This Special Issue of *Microorganisms* aims to comprehensively explore the role of microbes in contaminated environments. The articles will cover a broad range of topics, including the characterization of microbial communities in contaminated environments, the mechanisms of pollutant degradation by microbes, and the development of novel bioremediation technologies. This Special Issue will also explore the application of microbes in the treatment of emerging contaminants, such as microplastics and pharmaceuticals. The scope is not limited to the above topics. We welcome original research articles, critical reviews, and perspectives that elucidate the role of microbes in contaminated environments.

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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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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).

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