

# Special Issue

## Transition Metal Biogeochemical Cycling and Geomicrobiology

### Message from the Guest Editors

This Special Issue seeks to elucidate the mechanisms underlying the cycling of these metals, from their mobilization and transport to their incorporation into biomolecules and mineral phases, driven by microbial activity. By delving into the interactions between microorganisms and transition metals, we aim to uncover novel insights into the dynamics of microbial ecosystems and their broader implications for global biogeochemical cycles. Through a multidisciplinary approach encompassing microbiology, geochemistry, and environmental science, this Special Issue endeavors to advance our understanding of the fundamental processes governing transition metal biogeochemistry. We invite researchers to contribute original research articles, reviews, and perspectives that shed light on the complex relationships between microbes and transition metals, fostering innovative approaches that harness the potential of microbial communities for biotechnological applications to address pressing environmental challenges.

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### Guest Editors

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### Deadline for manuscript submissions

15 March 2025



**Microorganisms**

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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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