

## Special Issue

# Mineral and Microorganism Interactions for Sustainability

### Message from the Guest Editors

The global cycling of organic matter and elements is driven to a great extent by microorganisms with the ability to exchange electrons with extracellular minerals. The integration of mineral and microorganism is critical not only to the mechanistic understanding of extracellular electron transfer processes but also advances of biotechnological applications in the bioremediation of redox-amendable environmental contaminants and bioenergy. This Special Issue aims to bring together studies in the areas of geomicrobiology and biogeochemistry, including the disposal of hazardous waste, the treatment of acid mine drainage and waste water, the capture of carbon dioxide, the health effects of minerals, and mineral–microbe interactions, among others.

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### Guest Editors

Dr. Guiping Ren  
Dr. Xinglan Cui  
Dr. Ying Liu

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### Deadline for manuscript submissions

closed (10 October 2023)



## Sustainability

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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