

## Special Issue

# Advances in Mineral Resources, Hydrogeology and Environmental Sustainability

### Message from the Guest Editors

Recently, the application of microorganisms in mineral resource exploitation and environmental protection has received more and more attention. Microbial mining technology and the environmental remediation concept, with their many advantages, such as a simple process, less investment, and less environmental pollution, are playing a significant role in this field, showing great potential to have a profound impact on human beings. However, microbial mining is not well understood for a variety of reasons, hence the need for further research into this technology. Therefore, this Special Issue will introduce the new ideas and experimental results of the application of microbial technology in the research field of mineral resources, hydrogeology, and environmental sustainability, and explore the performance and integration of different bioremediation technologies to achieve a sustainable use of the environment and its resources.

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### Guest Editors

Dr. Guiping Ren  
Dr. Xinglan Cui  
Dr. Xiaobin Gu

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### Deadline for manuscript submissions

closed (30 October 2025)



Sustainability

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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