

## Special Issue

# Advances in Mining Wastewater Treatment and Reuse

### Message from the Guest Editors

Mining activities are essential for global economic growth, but generate large volumes of wastewater containing suspended solids, heavy metals, acids, and other contaminants. If untreated, this wastewater poses significant risks to ecosystems, water resources, and human health. With increasing environmental regulations, resource scarcity, and sustainability goals, there is a growing need for innovative, efficient, and cost-effective solutions for mining wastewater treatment and reuse. Recent advances in chemical, physical, and biological treatment technologies—combined with process integration, digital monitoring, and circular economy strategies—are transforming wastewater from a liability into a valuable resource. This Special Issue aims to highlight state-of-the-art research, emerging technologies, and practical applications that address the technical and environmental challenges of mining water management.

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### Guest Editors

Dr. Ayanda Nomaswazi Shabalala  
Prof. Dr. Vhahangwele Masindi  
Prof. Dr. Philiswa Nosizo Nomngongo

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### Deadline for manuscript submissions

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## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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