Special Issue

New Challenges in Geohazards of Mine Waste Disposal Sites: Tailings Reservoirs and Dump Sites

Message from the Guest Editors

The Special Issue aims to address the evolving challenges and advancements in the field of mine waste disposal. This issue focuses on publishing high-quality papers covering a diverse range of topics, including the mechanical properties of tailings, slope stability of tailings dams, monitoring and early warning systems for tailings dam failure, mechanisms and simulations of tailings dam-break flow, mechanical properties of soil-rock mixtures, slope stability of mine dumps, and secondary disasters resulting from mine dump slope failures.

Researchers and practitioners in the field of geohazards and mine waste disposal are encouraged to submit their original research papers to this Special Issue. By sharing their expertise and research findings, they can contribute to advancing knowledge and developing effective strategies for the safe and sustainable management of tailings reservoirs and dump sites.

Keywords tailings reservoirs; mine dumps; geohazards; mechanical properties; slope stability; tailings dam failure; dam-break flow; soil–rock mixture; secondary disasters; monitoring and early warning

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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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