## **Special Issue**

## Preparation and Property Optimization of Backfill Materials for the Mining Industry

## Message from the Guest Editors

Solid waste-based cemented backfill technology serves as the core vehicle for achieving green mine construction and the synergistic disposal of industrial solid waste. The design of materials and control of their performance have become a research hotspot in the field of mining engineering. Given the significant differences in the physical and chemical properties of multi-source industrial solid wastes (such as mining waste rock, ore dressing tailings, metallurgical slag, and chemical waste), there are numerous issues related to the comprehensive performance of solid waste-based backfill materials in terms of rheology, strength, and environmental impact. This Special Issue actively collects relevant research papers (including reviews) on this topic.

## **Guest Editors**

Dr. Daolin Wang

Dr. Yan Feng

Prof. Dr. Qinli Zhang

## Deadline for manuscript submissions

20 March 2026



# Applied Sciences

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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.

## **Editor-in-Chief**

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