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Cemented Mine Waste Backfill: Rheological and Mechanical Property

Guest Editors:

Dr. Kun Fang

Dr. Haiqiang Jiang

Dr. Yun Zhang

Dr. Sada Haruna

Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editors

This special Issue's primary objective is to include contributions that will optimize the design of the cemented mine waste backfill from two perspectives, namely in terms of the rheological and mechanical properties.

From the preparation of a cemented backfilling body at the ground surface to the transportation and curing of the backfilling body underground, many processes are involved. The point is how to deliver the prepared backfilling body to underground cavities and make sure its short-/long-term strength is strong enough to support the underground structures with the least cost. With the hope of decreasing the investment cost, many investigations were dedicated to the investigation of the effect of additives on the improvement of the rheological and mechanical properties. This can reduce the amount of cement used during the preparation while still satisfying the strength requirement in the long run.

Investigations on other properties of the cemented backfilling body are also expected and welcomed.

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Editor-in-Chief

Prof. Dr. Steve W. Lyon
School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Message from the Editor-in-Chief

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Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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