

Special Issue

Advanced Backfilling Technologies in Coal Mining

Message from the Guest Editor

The backfilling and mining method is one of the green mining technologies, which shares many technological advantages with others in terms of the management of solid wastes (e.g., gangue, fly ash), strata movement control, and improvement of the recovery ratio. Meanwhile, many other backfilling methods have also been proposed based on the methodology. Even though the solid backfilling and mining method has been widely used in China, some improvements are still expected; for example, how to increase the backfilling and mining efficiency, control the strata movement precisely, optimize the mixing recipe, and enhance the intelligence level of devices. This Special Issue intends to invite scholars to contribute to the development of solid backfilling and mining technology, with a focus on, but not limited to, the design and upgrading of intelligent equipment, the optimization of mixing recipes with the aim of improving the strength of the backfilling body, the on-site observation of strata movement and surface deformation, and the analysis of typical backfilling and mining engineering cases.

Guest Editor

Dr. Qiang Zhang

School of Mines, China University of Mining and Technology, Xuzhou 221116, China

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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