Special Issue

Practical Solutions for Underground Mine Backfilling Systems

Message from the Guest Editors

This Special Issue aims to bring together practical solutions for underground mine backfilling systems, including, backfill mix design, physical and hydro-mechanical properties and behaviors, rheology and transport, underground placement and self-weight consolidation, long-term properties, stability analysis, experimental studies (lab and in situ), physical modeling, analytical solutions, constitutive modeling and numerical modeling of cemented mine backfills. We welcome original and state-of-the-art papers covering all these aspects.

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Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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