Special Issue

Metallurgy Waste Used for Backfilling Materials

Message from the Guest Editors

With the continuous progress of industrial technology and the strengthening protection of the ecological environment, mine backfill technology can not only meet the maximum efficiency of mining mineral resources but also coordinate the disposal of mining and metallurgical waste. On the one hand, this waste can be used as a filling aggregate for gob filling; on the other hand, waste residues with potential cementitious reactivity can be used to prepare new composite cementitious materials for backfill to replace cement. Using mining and metallurgical solid waste to prepare new composite filling cementitious materials has become a hot spot in the research on waste resource utilization.

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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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