Special Issue

Green Mining Solutions for the Sustainability of Mine Tailings Management

Message from the Guest Editors

The generation of mine tailings worldwide increases every year due to the rising demand for certain metals that are necessary for the decarbonization of the economy, which will be achieved by developing the digital age of information, implementing electromobility, and inserting renewable energies in order to face the global crisis of climate change. It is in this scenario that mine tailings management with the best available technologies (BATs) becomes a crucial issue in carrying out responsible practices and thus achieving sustainability within the mining business. This Special Issue arises from the consideration of the insertion of a new paradigm on mine tailings management and the emergence of green mining solutions to satisfy responsible mining needs for a sustainable society. We invite researchers, professors, scientists, consultants, mining practitioners, and technology suppliers to submit their latest research work and share their experiences with other colleagues. We welcome research articles and reviews of research studies that focus on this important and complex issue from a multidisciplinary perspective. We welcome your contributions.

Guest Editors

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Message from the Editor-in-Chief

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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