Special Issue

Best Practices and Innovative Solutions to Increase the Safety of Tailing Management Facilities

Message from the Guest Editors

Mining is one of the key activities of economic growth, and the supply of raw materials is essential and critical for industrial production, infrastructure construction, and in general for technology development and future green technologies. Extractive (mining) waste is globally the largest waste stream presented in different forms. The most critical mining waste from a safety point of view is the fine-grained material resulting from mining process plants, usually transported via hydraulic methods to and stored in tailing management facilities (TMF). Annual quantities up to 100 billion tons of solid waste, resulting from the *processing of ores containing iron, copper, aluminum, gold, silver, or scarce elements and from the mining of different minerals*, are stored in these mining waste facilities... Contributors to this Special Issue should address topics related to innovative practices for TMF management, emerging technologies for monitoring and control of TMF safety, accident investigations, remediation of contaminated sites, and pollution control techniques.

Guest Editors

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Deadline for manuscript submissions

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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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