Special Issue

Pollution and Remediation in Mining and Metallurgical Districts

Message from the Guest Editors

As the demand for mineral resources continues to grow worldwide, the impact of mining and ore processing will be an increasingly important concern in the field of environmental science. This Special Issue is expected to provide an international platform for geochemists, geologists, technologists and environmental scientists to present their studies which focus on the environmental problems related to mining and raw materials processing under different geological, hydrogeological, geomorphological and climatic conditions. Papers in this Special Issue are intended to summarize new data and new methods in the evaluation of soils, terrestrial ecosystems, streams and ground waters contamination, and to elucidate factors controlling the dispersion of pollutants. Special attention should be paid to the remediation measures to be implemented to reduce the negative impacts of mining and mineral processing on the environment and human health. This Special Issue aims to contribute, using multi-disciplinary approach, to more sustainable development and use of natural resources, efficient environmental impact assessments and reclamation of districts affected by mining and smelting.

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About the Journal

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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