Special Issue

Modelling of Sustainable Extractive Metallurgy Processes

Message from the Guest Editors

The field of extractive metallurgy continues to advance as higher grade orebodies are being depleted and wastes becomes more complex to recycle. Both mineral processors and extractive metallurgists have made considerable advances in the last few decades in developing new technologies. However, experimental testing of extractive metallurgy processes is becoming more expensive. Modelling techniques have advanced significantly over the last few decades and as a result process modelling has become a valuable tool to evaluate the technical feasibility of processes. In this regard, the purpose of this Special Issue is to invite researchers in this area to share their research via open access and, in this way, help the field progress. Papers on both physical and mathematical modelling are invited. The papers should present new ideas, research and technologies, which can lead to not only economic but more environmentally-friendly processes. The fields of mineral processing, hydrometallurgy and pyrometallurgy are included.

Guest Editors

Prof. Dr. Chris Pickles

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Deadline for manuscript submissions

closed (30 June 2020)

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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).

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