Special Issue

Sampling across the Mine Value Chain

Message from the Guest Editor

Sampling is a critical component throughout the Mine Value Chain; it includes the sampling of both in situ and broken material for exploration, resource and grade control, geoenvironmental, metallurgical and geometallurgical purposes. Despite the wealth of knowledge available on correct sampling principles, it is surprising how little attention and resources are often dedicated to collecting representative samples. Sampling, therefore, needs to be given the attention it deserves to ensure that the samples extracted are representative so that meaningful decisions can be made based on their analyses. This Special Issue covers the following topics:

- Theory of Sampling
- Exploration sampling
- Sampling for resource/reserve estimation
- Mine grade control sampling
- Geoenvironmental sampling
- Metallurgical and geometallurgical sampling
- Sample preparation, testing and assaying
- Quality assurance/quality control
- Mathematical modelling of sampling systems
- New developments in sampling, sample preparation and blending equipment
- Future technologies
- Case studies

Deadline for manuscript submissions

closed (31 October 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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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 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 2025).

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