

Special Issue

Size Distribution, Chemical Composition and Morphology of Mine Dust

Message from the Guest Editors

In this Special Issue, we aim to collate research and review articles addressing dust sampling and detection techniques, physico-chemical characteristics, and relevant toxicological studies related to mine dust, in particular crystalline silica. Example topics include sampling methods, analytical detection, and analysis methods, predominantly at low dust concentrations, as well as dust generation and dust control. Toxicological studies relevant to one or more dust characteristic or constituent, such as particle size, are also welcome.

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Deadline for manuscript submissions

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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).