Special Issue

Industrial Minerals and Geomaterials for Sustainable Environmental Applications

Message from the Guest Editors

Industrial minerals are any rocks or minerals with economic value used in industrial processes or technical applications that are not used as sources for metals, gemstones, or energy. Many different types of industrial minerals and geomaterials serve multiple uses. Some examples of applications for industrial minerals are construction, ceramics, paints, electronics, filtration, plastics, glass, detergents, and paper. Industrial minerals are fundamental to the economy; some are considered critical minerals essential to the economies and security of nations. The evaluation of raw materials, in order to determine their suitability for use as industrial minerals, requires technical test work, mineral processing trials, end product evaluation, and, in particular, scientific studies on the compositional as well as chemical–physical characteristics of geomaterials. Therefore, for these reasons, research that can contribute to and deepen the knowledge of industrial minerals/geomaterials and their applications with a full view to environmental sustainability are welcome to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/170616

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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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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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