Special Issue

Role of the Clay Minerals in Construction and Building Materials

Message from the Guest Editors

Natural clays and clay minerals are used in various industrial and environmental applications due to their unique physico-chemical properties such as high cation exchange capacity and specific surface area and/or optimal morphological structure. This Special Issue will focus on utilization of clays and clay minerals as additives in construction and building materials such as cements, mortars and geopolymers to improve their characteristics, namely mechanical resistances, adhesion, adsorption properties towards industrial wastes etc. Clays and clay minerals should be preferably used in a natural state, although chemical or thermal treatments may be involved. Manuscripts related to the construction and building materials based just on metakaolin will be excluded. If using metakaolin as an additive or binder, other clay or clay mineral should be used in the system.

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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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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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