Special Issue

Special Clays and Their Applications

Message from the Guest Editor

Dear Colleague, Unlike common commercial clays, widely found in most countries and used in applications requiring low-value materials such as brick-making, pottery or engineering, special clays are much scarcer. Highly pure clay minerals are only found in a small number of countries in a few deposits that vary in size but are usually small, and the industrial use of these minerals gives them high commercial value. Examples of these minerals are natural products such as kaolin and other kaolin-bearing clays (ball clay, fire clay, flint or hard clay, and halloysite), bentonites, fibrous clays and Fuller's earth, but other treated, modified or synthetic clays are also included. [...] This Special Issue summarizes the most recent advances made in the application of special clays in fields as varied as the oil industry, water treatment, environmental remediation, green chemistry, colloids, bio- and nanocomposites, degradation and stabilization of polymers, health care etc.

Guest Editor

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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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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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