Special Issue

Clays and Micro-Organisms: From Nature to Industry

Message from the Guest Editor

Clays and clay minerals are important components in soils, sediments, and sedimentary rocks, and they undergo biotic and abiotic reactions in natural environments, including extreme environments. These mineral reactions impact a number of geological and environmental processes, such as sediment diagenesis, colloid transport, the mobility and the ultimate fate of organic and inorganic contaminants, integrity of waste repositories, and stability of the ocean floor. Furthermore, the science and technologies of industrial clays, including exploration and clay resource development, particle engineering from macro to nano, chemical and physical modification of industrial application and sustainable resource development are currently being investigated. We invite contributions on, but not limited to, microscopic/spectroscopic/geochemistry studies of clay mineral reactions at both laboratory and field scales. We especially encourage papers on the development of novel methods and/or novel applications of existing techniques with an interdisciplinary perspective.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2019)

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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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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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