Special Issue

Clay Minerals for Environmental Remediation and Sustainable Energy

Message from the Guest Editors

This Special Issue, titled "Clay Minerals for Environmental Remediation and Sustainable Energy," invites submissions exploring recent advances in clay-based materials. Clay minerals have exceptional potential in environmental remediation and energy applications due to their high surface area, ion exchange capacity, and chemically reactive surfaces. They are effective in removing pollutants such as heavy metals, dyes, pharmaceuticals, and pesticides. In energy conversion and storage, clay minerals show promise in photovoltaics, hydrogen generation, batteries, and supercapacitors. Additionally, their unique properties enable applications in biotechnology, including controlled drug delivery and antimicrobial activity. We welcome full papers, reviews, and short communications on the following topics:

- Innovative clay-derived nanocomposites and hybrid materials
- Development of clay-based systems for environmental remediation
- Clay-based systems for renewable energy conversion and storage
- Emerging biotechnological applications leveraging clay minerals

We look forward to your valuable contributions.

Guest Editors

Dr. Ke Wang

Dr. Sijia Sun

Dr. Meng Liu

Deadline for manuscript submissions

31 March 2026

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/248047

Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

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).

MDPI