Special Issue

Mineralogy, Geochemistry, and Sedimentary Geology of Lacustrine Basins, 2nd Edition

Message from the Guest Editors

Following the fruitful outcomes of the first edition, we are pleased to announce the launch of the Second Edition of the Special Issue on Lacustrine Sedimentology and Reservoir Systems.

We welcome contributions that address, but are not limited to, the following themes:

- High-resolution reconstruction of sedimentary cycles and stratigraphic architecture in lacustrine systems;
- Quantitative characterization of diagenetic processes and pore structure evolution in tight reservoirs;
- Multi-scale coupling between tectonics, climate, and sedimentary processes in lake basins;
- Geochemical and mineralogical proxies for paleoenvironment and reservoir quality assessment;
- Innovations in methodologies, including digital outcrop modeling, isotopic tracers, and big-data analytics;
- Comparative case studies from different basins that highlight global diversity in lacustrine systems.

This Special Issue aims to provide a platform for the latest advances in theory, technology, and practice, thereby fostering collaboration among sedimentologists, reservoir geologists, and geochemists.

Guest Editors

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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.

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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