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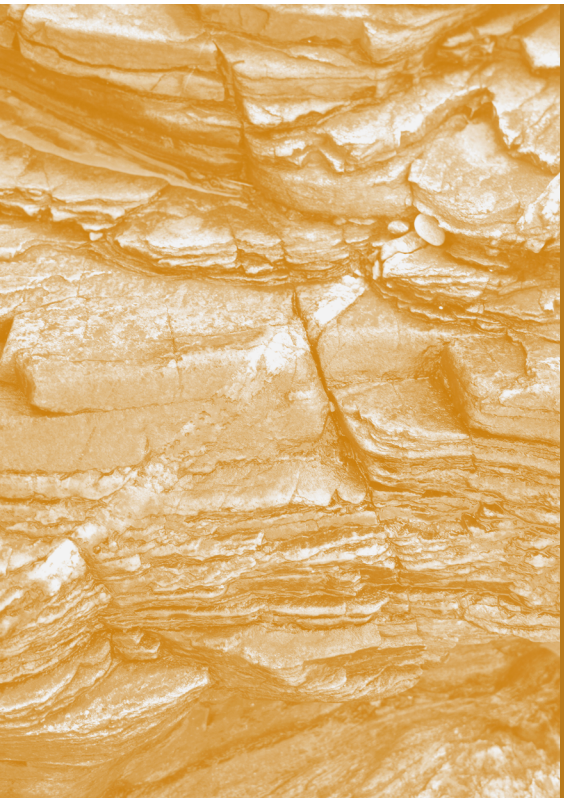
Stratigraphy and Sedimentology



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Message from the Editor-in-Chief

Understanding the sedimentary processes that affect the surface of Earth is fundamental to the development of an accurate framework for reconstructing geologic history and projecting future planetary scenarios. Stratigraphic and sedimentologic records provide direct insights into the evolution of Earth's surface—the most dynamic part of the planet—which has chronicled diverse physical, chemical, and biological processes over a wide range of temporal and spatial scales. The journal *Stratigraphy and Sedimentology* provides a platform for fundamental research that seeks to address important issues related to modern and ancient sedimentary processes, with implications for allied fields spanning the geosciences.

We strive to promote rigorous and innovative approaches that build upon fundamental stratigraphic and sedimentological principles, with broad applicability across geologic time. Within this context, *Stratigraphy and Sedimentology* encourages focused and interdisciplinary contributions.

Aims

Stratigraphy and Sedimentology (ISSN: 3042-884X) is an international, peer-reviewed, open-access journal dedicated to advancing understanding of sedimentary processes, depositional environments, and stratigraphic systems across geologic time. The journal serves as a platform for innovative research that bridges traditional sedimentology and stratigraphy of modern and ancient systems with emerging techniques and multidisciplinary approaches in basin analysis, geochemistry, geochronology, biogeosciences, paleoclimatology, tectonics, and geomorphology. We publish original research articles, reviews, and rapid communications with no restrictions on length or methodological scope. The aim is to foster scientific dialogue, advance knowledge, and disseminate cutting-edge research in sedimentology and stratigraphy that informs both academic inquiry and practical applications in environmental reconstruction, mineral and resource exploration, geohazard assessment, and geoengineering.

Scope

The research areas covered by the journal include but are not limited to:

- Stratigraphy;
- Sedimentology;
- Earth Surface Processes;
- Basin Evolution and Tectonics;
- Paleontology, Biogeography, and Sediment–Life Interactions;
- Climate and Paleoclimate;
- Sequence Stratigraphy;
- Biostratigraphy;
- Chemostratigraphy;
- Cyclostratigraphy;
- Magnetostratigraphy;
- Sedimentary Morphodynamics;
- Experimental Sedimentology;
- Detrital Geochronology;
- Mineral Deposits, Energy, and Natural Resources;
- Sediment Dynamics and Geohazards;
- Sediment Provenance;
- Deep-Time and Earth History Archives;
- Facies and Depositional Systems;
- Clastic, Carbonate, and Chemical Sedimentation;
- Weathering, Erosion, Transport, Deposition, and Diagenesis;
- Modeling and Computational Simulations of Sedimentary Processes;
- Machine Learning and Artificial Intelligence in Sedimentary Geology;
- Sedimentology and Human Interactions in the Anthropocene.

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