Special Issue

Detrital Minerals Geochronology and Sedimentary Provenance

Message from the Guest Editors

The goal of this Special Issue is to gather papers (original research articles and review papers) that offer insights into recent advancements in the use of both "traditional" detrital minerals (i.e., zircon) and, especially, "non-traditional" detrital minerals for determining the maximum depositional ages and provenance of siliciclastic sediments. Papers on dating authigenic minerals, such as carbonates, phosphates, or glauconite, and studies on altering mineral-geochronometers in sedimentary environments are also welcome. This Special Issue invites manuscripts that explore the following themes:

- Using various detrital minerals and different isotope systems to determine the maximum depositional ages and the provenance of predominantly siliciclastic sediments;
- Geochronological studies of authigenic minerals;
- Alteration of mineral–geochronometers in sedimentary environments.

We look forward to receiving your original research articles and review papers.

Guest Editors

Dr. Leonid Shumlyanskyy

Institute of Geological Sciences of the Polish Academy of Sciences, 31002 Krakow, Poland

Dr. Ion Francovschi

1. Institute of Geology and Seismology, Moldova State University, MD-2028 Chisinau, Moldova
2. Geological Institute of Romania, 012271 Bucharest, Romania

Deadline for manuscript submissions

31 October 2025

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/si/235646

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

mdpi.com/journal/geosciences

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/journal/geosciences

About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger
Alaska Center for Energy and Power, University of Alaska Fairbanks, Fairbanks, AK, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q1 (General Earth and Planetary Sciences)