Special Issue

Isotope Geochemistry: Latest Developments and Applications for Geosciences

Message from the Guest Editor

The goal of this Special Issue is to assemble papers that provide an overview of recent developments in isotope geochemistry in all aspects of geosciences. We invite papers on novel techniques of isotopic analysis, new theoretical insights and computational approaches to stable isotope fractionations, new approaches and techniques in geochronology and thermochronology, new insights and approaches to understanding solar system formation, evolution of the Earth's crust and mantle surficial processes, evolution of life, including human evolution, and human impacts on the natural world through radiogenic and stable isotope analyses. This Special Issue will welcome manuscripts on the following themes:

- Advances of isotope ratio analysis;
- Advances in the prediction of stable isotope fractionations;
- Advances in our understanding of crust and mantle evolution through radiogenic and stable isotope analysis:
- Advances in our understanding of critical zone processes, including Earth's climate and its history and human impact on it;
- Advances in solar system formation and synthesis of the elements that compose it.

Guest Editor

Prof. Dr. William M. White

Department of Earth and Atmospheric Sciences, Cornell University, Ithaca, NY, USA

Deadline for manuscript submissions

24 November 2025



Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1 CiteScore 5.1



mdpi.com/si/191026

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



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. Alberto G. Fairén

- 1. Centro de Astrobiología, CSIC-INTA, Madrid, Spain
- 2. Department of Astronomy, Cornell University, Ithaca, NY, 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)

