

Special Issue

Geochemistry in the Development of Geothermal Resources

Message from the Guest Editors

Geothermal energy usually refers to the heat stored beneath the Earth's surface, which can be harnessed for electricity generation or direct use in heating and cooling applications. The exploitation of such resources needs a deep understanding of the chemical characteristics of geothermal fluids (both waters and gases) and associated rocks that host the fluids' circulation pathways. This special issue aims at collecting scientific contributions relating to the application of geochemical studies to geothermal systems. The papers can be related to both the fluid or rock/mineral matrixes and should focus on the exploration, exploitation or monitoring phases of the development of a geothermal system. Multi/inter-disciplinary studies are also strongly encouraged.

Guest Editors

Dr. Giovanni Vespasiano

Dr. Marco Taussi

Dr. Carmine Apollaro

Dr. Ilaria Fuoco

Deadline for manuscript submissions

30 September 2025



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.3



mdpi.com/si/196869

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

[mdpi.com/journal/
geosciences](https://mdpi.com/journal/geosciences)





Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.3



[mdpi.com/journal/
geosciences](https://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 coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based 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:

JCR - Q2 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)