

Special Issue

Technologies and Methods for Exploitation of Geological Resources

Message from the Guest Editors

Geological resources, such as metals, coal, petroleum and gas, groundwater, and geothermal materials, are essential for human survival. Most easy-to-find and easy-to-develop geological resources have been located, but a huge amount of materials remain undiscovered, prompting the urgent demand for revolutionary ideas and technologies for exploiting these geological resources. The present Special Issue aims to gather papers on methods and technology relating to geological resource exploration theory, including the reconstruction of the geological process of resource formation, geological and mineral geological survey methods, geochemical technology, earth information technology, earth exploration technology, and relevant engineering technology. We aim to offer a detailed account of current methods for the exploitation of geological resources and improve the current knowledge on the nature and basic laws of deep geological resources, as well as to promote fundamental and frontier research for geological resource exploitation.

Guest Editors

Dr. Zhongliang Wang

School of Earth Sciences and Resources, China University of Geosciences (Beijing), Beijing 100083, China

Dr. Markos Tranos

Department of Geology, Aristotle University of Thessaloniki, Thessaloniki, Greece

Deadline for manuscript submissions

closed (20 April 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/137801

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

mdpi.com/journal/

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)