

Special Issue

Basin Tectonic Analysis and Geoenergy Exploration

Message from the Guest Editors

The exploration and sustainable utilization of geoenergy (e.g., oil and gas resources) in basins have significant implications for the world. Recently, breakthroughs have been obtained in deep and ultradeep tight reservoirs, shale gas development, and geothermal resource exploration. Tectonic analysis is a basic geological process to determine basin origin and evolution, oil and gas accumulation, and hydrocarbon/geothermal resource exploration and development. This Special Issue aims to present and discuss findings and technologies related to basin tectonic analysis and geoenergy exploration. In this Special Issue, contributions related to, but not limited to, the following topics are welcome:

- Basin tectonic analysis using kinematics or geodynamics.
- In situ stress prediction.
- Structural interpretation and styles.
- Natural fracture formation mechanisms and predictions.
- Oil and gas reservoir analysis.
- Basin-orogen coupling.
- Numerical modelling for hydrocarbon development.
- Geothermal resource exploration.
- Other advanced research on basin tectonics and geoenergy exploration.

Guest Editors

Dr. Wei Ju
Prof. Dr. Lei Gong
Prof. Dr. Jingshou Liu

Deadline for manuscript submissions

closed (31 August 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/173312

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)