

Special Issue

Geothermal Resource Assessment and Sustainable Exploration and Utilization

Message from the Guest Editors

Sustainable development requires balancing environmental, economic, and social benefits, with clean energy being key to reducing carbon emissions and achieving green development. Geothermal resources, as stable and renewable clean energy sources, possess unique advantages in energy transition. Current international trends in geothermal development focus on expanding deep geothermal and enhanced geothermal system (EGS) technologies. This Special Issue will focus on global geothermal resource development and sustainable development, advancing innovations in deep geothermal and EGS technologies, exploring the role of geothermal energy in energy transition, and analyzing current technical, economic, and policy challenges. We welcome original research and critical or systematic review papers on topics related to sustainable geothermal development, presenting new data or discussing existing data, including, but not limited to, the following:

- Geothermal Resource Potential
- Geothermal Exploration and Extraction Technologies
- Economic Viability and Sustainable Development
- Regional Case Studies and Cutting-Edge Applications

Guest Editors

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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

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