

Special Issue

Sustainable Geothermal Energy

Message from the Guest Editors

Shallow geothermal power plants are suitable for low temperature heat generation. Deep geothermal exploration enables the conversion of geothermal heat in electricity. The sustainability of geothermal energy becomes a pivotal objective in relation to the meeting of the expected climate goals, playing an important role in the reduction of greenhouse gas emission and environmental pollution. In addition, the coupling of a smart energy strategy with a possible utilization of subsurface energy storage is bound to boost the green energy scenario. The purpose of this Special Issue is to collect recent state-of-the-art research and review articles on sustainable geothermal energy systems. The topics of interest include but are not limited to: "Closed-loop" total reinjection—zero emissions power plants; Emission reduction from existing geothermal power plants; Life cycle assessment of geothermal power plants; Smart storage geothermal solutions; Sustainable geothermal systems; Integration of new technologies for geothermal enhancement; Toward a 100% renewable energy scenario; and Shallow geothermal applications.

Guest Editors

Dr. Lorenzo Talluri

Department of Industrial Engineering, University of Florence, 50134 Florence, Italy

Dr. Fausto Batini

Geothermal Energy Consulting s.r.l., 56045 Montecatini, Italy

Deadline for manuscript submissions

closed (18 September 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/68804

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)