Special Issue

Geothermal Energy Heating Systems

Message from the Guest Editors

Geothermal energy, as a sustainable and renewable resource, offers a significant potential to reduce carbon emissions and enhance energy efficiency in both residential and industrial sectors. This Special Issue aims to explore the latest advancements, challenges, and opportunities in the utilization of geothermal energy for heating applications. The Special Issue seeks contributions focusing on innovative technologies, system design optimization, and integration strategies for geothermal heating systems. Topics of interest include, but are not limited to, the following:

- Advancements in ground-source heat pump technologies;
- Shallow and medium–deep borehole heat exchangers;
- Enhanced geothermal systems (EGSs);
- Hybrid energy systems;
- Policy frameworks;
- Numerical modelling;
- Case studies demonstrating successful implementations.

Guest Editors

Dr. Guosheng Jia

Dr. Wenke Zhang

Dr. Fujiao Tang

Dr. Siyu Qin

Deadline for manuscript submissions

24 November 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/228265

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, 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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)