Special Issue

Shallow Geothermal Energy 2023

Message from the Guest Editors

Shallow geothermal technology, often termed as ground source heat pumps (GSHP), is among the renewable heating and cooling technologies, one that offers a one-in-all approach to the urgent necessity of systems that are at the same time efficient, renewable, and highly integrable with other RES as well as within the existing electricity grid. In recent years, much research has been focused on critical areas to improve the cost, efficiency, and social acceptance of these systems, still finding serious barriers that hinder a more generalized adoption by different stakeholders. This Special Issue, thereafter, includes but is not necessarily limited to the following list of topics:

- Open and hybrid systems and integration with other renewable energy sources;
- Integration in the built environment;
- Advances in design of systems;
- Thermal response testing;
- Improvement in materials;
- Advances in drilling and installation methods;
- Mapping of resources;
- Social acceptance;
- Life cycle cost analysis and other analytic methods.

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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.

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