



## Shallow Geothermal Energy 2021

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Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Dear Colleagues,

The Guest Editor is delighted to invite you to submit contributions to a Special Issue of *Energies* on the subject area “Shallow Geothermal Energy 2021”. 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...

Prof. Dr. Javier F. Urchueguía  
*Guest Editor*





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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