

Special Issue

High Efficient Geothermal Heat Pump and Ground Heat Exchangers

Message from the Guest Editor

Dear colleagues, Heat pump technology is one of the most sophisticated engineering achievements for heating, ventilation, and air conditioning (HVAC). The ground heat exchanger induces heat exchange with the ground formations by means of a heat carrier that circulates through closed pipes or open boreholes installed deep underground. The heat exchangers are connected with a ground heat pump system to save the energy consumption for heating and cooling buildings. We invite comprehensive reviews and original research articles. Based on your expertise, you could make an excellent contribution to this Special Issue. Papers addressing, but not limited to, the following topics are recommended:

- High-efficiency heat pump systems
- Thermally driven heat pump/refrigeration
- Heat and mass transfer enhancement
- Innovative ground heat exchangers
- Computational fluid dynamics/numerical experiments
- Design/system optimization and dynamic control

Guest Editor

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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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