

Special Issue

Challenges and Research Trends of Energy Conservation and Efficient Utilization for Thermal Energy

Message from the Guest Editor

We would like to invite submissions to this Special Issue to collect the latest developments and applications of energy conservation and efficient utilization for thermal energy in different fields. Original research and review articles are welcome. Areas of interest include, but are not limited to, the following:

- Enhanced heat transfer theory and applications;
- Highly efficient heat exchange device design;
- Energy harvesting and waste heat recovery;
- Thermal energy conversion theory and applications;
- Advanced thermodynamic systems and other thermal energy utilization systems;
- Sensible heat storage and latent heat storage;
- Thermochemical heat storage;
- Advanced thermal management for batteries, electronics, etc.

Guest Editor

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Deadline for manuscript submissions

closed (5 December 2025)



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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.

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