## Special Issue

## Heat Transfer Analysis and Optimization in Thermal Energy Storage

### Message from the Guest Editors

The are inviting submissions to a Special Issue of *Energies* on the subject area of "Heat Transfer Analysis and Optimization in Thermal Energy Storage". This Special Issue aims to deal with novel analysis and optimization studies for thermal energy storage-related devices and systems. Topics of interest for publication include, but are not limited to:

- Thermal energy storage analysis method;
- Experimental and numerical studies on thermal energy device design and optimization;
- Topology optimization of energy storage devices;
- Novel thermal energy storage materials development, characterization, and preparation;
- Heat transfer in thermochemical energy storage technology;
- Renewable energy utilization and thermal energy storage;
- Energy system dispatch optimization considering thermal energy devices;
- Thermal management of electronic devices and batteries with thermal energy storage;
- Machine learning methods in thermal energy storage.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (25 July 2025)



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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

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