Special Issue

Solid-Liquid Phase-Change Heat Transfer and Energy Storage

Message from the Guest Editors

This Special Issue is dedicated to exploring pioneering research innovations in tackling the challenges of thermal energy storage, encompassing aspects such as numerical modeling, enhancement strategies, system design, and energy efficiency, along with economic analyses. Topics of interest for publication include, but are not limited to, the following:

- Design of latent heat storage systems;
- Composite phase-change materials;
- Shape-stabilized phase-change materials;
- Micro-nano phase-change materials;
- Strategies for enhancing heat storage and release performance;
- Advanced applications of phase-change materials;
- Close-contact melting modeling.

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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.

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