Special Issue

Heat Transfer and Multiphase Flow in Renewable Energy and Energy Storage System

Message from the Guest Editors

Topics of interest for this Special Issue include, but are not limited to:

- Thermal energy storage techniques, including sensible heat, latent heat, and thermochemical heat or a combination of these.
- Oval phase-change materials for thermal storage and management, including organic, inorganic, and eutectic or micro/nanoencapsulated phase-change materials.
- Advanced microchannel heat sink, heat pipe, and vapor chamber.
- Boiling and condensation on functional surfaces and micro/nano-structures.
- Cooling electronic devices and battery thermal management systems of electrical vehicles, including air cooling, liquid cooling, and phase-change material cooling or heating.
- Latent heat function of nanofluids and nanocapsules.
- Micro/nano heat transfer and multiphase flow of thermal energy storage and thermal management systems, including both experimental and computational studies.
- Advanced energy storage management systems.
- Advanced solar receivers and power cycles.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)

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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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