Special Issue

Novel Technologies in Thermal Management and Thermal Energy Storage Systems

Message from the Guest Editor

Efficient management and storage of thermal energy are key to the transition to sustainable energy systems. As demand for renewable sources like solar and wind grows, the need for advanced thermal management and storage technologies becomes more pressing. These technologies improve the efficiency and reliability of energy systems and play a vital role in reducing greenhouse gas emissions and mitigating climate change. This Special Issue seeks to highlight recent advancements in thermal management and storage systems. We invite contributions on innovative materials, design approaches, and applications that address the challenges of thermal energy storage. We are particularly interested in research on the practical applications of these technologies in managing renewable energy, such as solar and wind, and their integration into existing systems. Studies exploring the economic and environmental benefits of advanced thermal storage solutions are also encouraged. By showcasing cutting-edge research, this Special Issue aims to promote collaboration and innovation in thermal energy management and storage.

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Deadline for manuscript submissions

15 September 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/220054

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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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