

## Special Issue

# Numerical and Experimental Heat Transfer and Thermal Management in Energy Systems

### Message from the Guest Editor

Energy is essential for sustaining life and fostering societal development, powering biological processes, infrastructure, and technological advancements critical for economic growth and environmental sustainability. Effective thermal management in energy systems is vital for optimizing operational efficiency, preventing thermal degradation, and ensuring reliability. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control, and condition monitoring of all types of heat transfer and thermal management in energy systems. Topics of interest for publication include, but are not limited to:

- Heat and Mass Transfer;
- Enhanced Heat Exchangers;
- Phase Change Materials;
- Nanotechnology;
- Thermal Management in Battery Systems;
- Smart Thermal Management Systems;
- Integration of Renewable Energy;
- Heat Transfer in Combined Heating, Cooling and Power Systems;
- Environmental and Economic Implications;
- Thermodynamics;
- Computational Fluid Dynamics;
- Heat Transfer Theory.

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### Guest Editor

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### Deadline for manuscript submissions

closed (10 April 2025)



## Energies

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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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### Editor-in-Chief

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