

## Special Issue

# Recent Advances in Computational Heat Transfer and Its Applications

### Message from the Guest Editor

We propose a Special Issue entitled "Recent Advances in Computational Heat Transfer and Its Applications" for inclusion in *Energies*. This Special Issue aims to showcase cutting-edge research and developments in computational methods applied to the field of heat transfer. The integration of advanced computational techniques has revolutionized the study of heat transfer phenomena, enabling researchers to explore complex thermal processes with unprecedented accuracy and efficiency. This Special Issue will cover a broad spectrum of topics, including but not limited to:

- Novel numerical methods for simulating heat transfer in complex geometries.
- Advances in modelling and simulation of transient heat transfer phenomena.
- Application of machine learning and artificial intelligence in enhancing computational heat transfer analyses.
- Multiscale and multiphysics simulations for a comprehensive understanding of heat transfer processes.
- Case studies and applications of computational heat transfer in energy systems, such as renewable energy, thermal energy storage, and heat exchangers.

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### Guest Editor

Dr. Gholamreza Kefayati

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### Deadline for manuscript submissions

closed (5 December 2024)



## 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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