

Special Issue

The Technology and Application of Thermal Management and Heat Transfer

Message from the Guest Editor

Thermal management and heat transfer technologies are crucial in addressing global energy challenges and advancing various industries. As energy demands rise and environmental concerns grow, innovative solutions in this field are increasingly vital for enhancing energy efficiency and ensuring optimal system performance. We are pleased to invite you to contribute to our Special Issue, which aims to serve as a comprehensive platform for researchers, engineers, and academics to share their latest research findings, advancements, and practical applications in the field of thermal management and heat transfer. In this Special Issue, original research articles and reviews are welcome. Its main focus includes, but not strictly limited to, the following areas:

- Heat pump and refrigeration systems;
- Phase-change heat transfer and multiphase flow;
- Heat exchanger design and optimization;
- Heat transfer enhancement and utilization of waste heat;
- Deep learning in thermal management and heat transfer.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2026)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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