

## Special Issue

# Cutting-Edge Phase Change Heat Transfer Technologies

### Message from the Guest Editors

We are excited to announce this Special Issue focusing on novel and advanced phase-change heat transfer technologies. As part of our ongoing commitment to innovation and sustainability, we are seeking creative solutions that push the boundaries of heat transfer efficiency and effectiveness. The scope of this Special Issue includes, but is not limited to, the following topics: enhanced heat exchangers, advanced thermal systems and cycles, microfluidic systems, phase-change materials, energy storage, etc. In this Special Issue, we invite researchers, engineers, and innovators worldwide to submit their contributions showcasing advancements in phase-change heat transfer technologies. Submissions may include theoretical studies, experimental investigations, numerical simulations, and practical applications.

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### Guest Editors

**Dr. Xuehui Wang**

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**Dr. Yatao Ren**

Associate Professor, School of Energy Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

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### Deadline for manuscript submissions

closed (30 June 2025)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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