

## Special Issue

# Heat Transfer Enhancement Strategies in Sustainable Engineering

### Message from the Guest Editor

This Special Issue will focus on innovative heat transfer enhancement strategies that contribute to the design and development of sustainable engineering systems. With the growing global emphasis on energy efficiency and climate-conscious design, improving thermal performance is essential across a wide range of applications, from renewable energy systems and waste heat recovery to sustainable manufacturing and thermal management in electronics. This Special Issue welcomes original research and review articles addressing both the fundamental and applied aspects of enhanced heat transfer in the context of sustainability. Topics of interest include, but are not limited to, the following:

- Advanced heat transfer surfaces and coatings;
- Passive and active enhancement techniques;
- Thermal energy storage;
- Nanofluids and hybrid working fluids;
- Additive manufacturing for heat transfer;

This Special Issue aims to bridge this gap by bringing together contributions that not only propose novel enhancement strategies, but also evaluate their sustainability impact, thus offering integrated perspectives.

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### Guest Editor

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### Deadline for manuscript submissions

29 May 2026



## Sustainability

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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