

Special Issue

Fluid Dynamics and Processes of Heat Transfer Enhancement

Message from the Guest Editors

This Special Issue, titled “Fluid Dynamics and Processes of Heat Transfer Enhancement”, seeks high-quality works focusing on the development and use of nanofluids (monofluids and hybrid nanofluids) and heat-promoting methods for various applications related to thermal systems and equipment. Studies (experimental and numerical) on the advancement of electric and magnetic fields effects on cooling and the formulation of superior nano-based thermal media (single-particle and hybrid nanofluids that are eco-friendly) are welcome. Potential topics include, but are not limited to, the following:

- Building and personal thermal comfort;
- Nano-phase change materials;
- Thermal energy storage;
- AI-driven and optimization-related studies;
- Process to enhance heat transfer.

Guest Editors

Prof. Dr. Mohsen Sharifpur

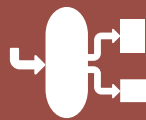
Prof. Oronzio Manca

Prof. Dr. Josua Meyer

Dr. Giwa Solomon

Deadline for manuscript submissions

closed (28 February 2026)



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Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P.
Giuria 9, 10125 Turin, Italy

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