

Special Issue

Energy Performance of Nanofluids Used for Heat Transfer Applications

Message from the Guest Editor

This Special Issue aims to bring together the latest advancements in nanofluid energy performance, and foster a deeper understanding of their potential benefits and limitations of nanofluids in order to unlock their full potential in enhancing energy efficiency in heat transfer applications. Potential topics for submissions may include, but are not limited to:

- Theoretical analysis and modeling of nanofluid properties and heat transfer characteristics.
- Experimental and numerical investigations of the thermal conductivity and convective heat transfer performance of nanofluids.
- Novel nanofluid formulations and their impact on energy efficiency in heat exchangers and cooling systems.
- Applications of nanofluids in electronic cooling, solar thermal systems, aerospace, icing, automotive cooling, and other industrial heat transfer processes.
- Challenges and solutions to the stability and long-term performance of nanofluids in real-world applications.
- Economic feasibility and cost analysis of integrating nanofluids into heat transfer systems.
- Comparative studies between nanofluids and conventional heat transfer fluids in terms of energy performance.

Guest Editor

Dr. Yunus Tansu Aksoy

Department of Mechanical Engineering, Division of Applied Mechanics and Energy Conversion (TME), KU Leuven, B-3001 Leuven, Belgium

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

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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