



energies



an Open Access Journal by MDPI

Advances in Thermal Management and Heat Transfer

Guest Editor:

Dr. Zhenyu Liu

School of Mechanical
Engineering, Shanghai Jiao Tong
University, Shanghai 200240,
China

Deadline for manuscript
submissions:

28 August 2024

Message from the Guest Editor

Dear Colleagues,

Thermal management has become quite challenging in recent years, such as in the fields of electronics, vehicle and data centers, etc., and many leading-edge techniques have been developed for requirements associated with it, such as high heat flux density, high compactness, and light weight. Micro-/nanoscale heat transfer provides potential solutions to advanced thermal management technologies (microchannel, heat pipe, cold plate and vacuum chamber, etc.). Moreover, the innovative materials and related processing technology are also interesting topics for thermal management and heat transfer researchers.

This Special Issue will deal with micro-/nanoscale heat transfer and innovative materials for thermal management technologies. Topics of interest for publication include but are not limited to:

- Conductive heat transfer in confined structure;
- Multiphase flow and heat transfer;
- Enhanced heat transfer with phase change;
- Thermal interface material;
- 1D/2D material in thermal design;
- Thermal management modelling, analysis, and strategy;
- Low-carbon thermal management.



mdpi.com/si/112408

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)