

## Special Issue

# Heat Transfer and Thermal Management: From Nano to Micro-Scale

### Message from the Guest Editors

Heat transfer and thermal management is a very dynamic field that has gained attention in different research communities at different length and time scales. This renewed interest in thermal transport has introduced a number of novel concepts such as radiative cooling, thermal metamaterials, thermodynamic transformations, thermal levitation, coherent and ballistic thermal transport, and thermal gates, to cite a few. This Special Issue of *Energies* will cover the most recent advances in “Heat Transfer and Thermal Management: From Nano- to Microscale”. The topics of interest include but are not limited to: micro and nanoengineering of thermal properties, development and improvements of characterization techniques, numerical simulations and theoretical modeling, thermal cooling, insulation and radiation, phonon dynamics, thermal interface and phase change materials, thermodynamic transformations, thermoelectric generation, and nanofluids.

### Guest Editors

Dr. Emigdio Chávez-Ángel

Catalan Institute of Nanoscience and Nanotechnology (ICN2), CSIC and BIST, Campus UAB, Bellaterra, 08193 Barcelona, Spain

Dr. Jérémie Maire

I2M, UMR 5295, CNRS-UB-ENSAM, 33405 Talence, France

### Deadline for manuscript submissions

closed (10 January 2023)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/51769](https://mdpi.com/si/51769)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)



## About the Journal

### 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

---

### 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 Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)