

## Special Issue

# Heat Transfer in Heat Exchangers

### Message from the Guest Editors

There are many ways to intensify heat transfer in heat exchangers. They may concern the very structure of the exchanger. It is also important to select the appropriate heat transfer fluids and their thermal and flow parameters. The miniaturization of the flow spaces also contributes to a significant intensification of heat transfer, where a reduction in the hydraulic diameter is accompanied by an increase in heat transfer coefficients. The increase in the intensification of heat exchange should not significantly increase the flow resistance. The submitted papers should be based on mathematical modeling, numerical simulations, and experimental research. Topics of interest for the publication include, but are not limited to: Heat transfer fluids;

Heat transfer intensification;

Phase-change phenomenon;

Flow resistance;

Wave phenomena;

New designs of heat exchangers,

Numerical modeling;

Experimental research.

---

### Guest Editors

Prof. Dr. Tadeusz Bohdal

Faculty of Mechanical Engineering, Koszalin University of Technology,  
Raclawicka 15-17 Street, 75-620 Koszalin, Poland

Prof. Dr. Marcin Kruzel

Faculty of Mechanical Engineering, Koszalin University of Technology,  
75-620 Koszalin, Poland

---

### Deadline for manuscript submissions

closed (31 March 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 8.3



[mdpi.com/si/185807](https://mdpi.com/si/185807)

*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 3.9  
CiteScore 8.3



[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)