

## Special Issue

# Investigations of Heat Transfer with Estimation of Temperature Uncertainty Measurements

### Message from the Guest Editor

The transfer of large heat fluxes is one of the most significant issues with modern technology. In recent years, the range of applications for heat transfer has broadened considerably, including new systems.

Theoretical analyses, experimental measurements, and practical applications have been performed to help us understand heat and mass transfer phenomena. The results of these studies provide us with information about the design of cooling systems for cooling, thermostabilization, and thermoregulation. Moreover, it should be underlined that statistical data on temperature measurements are needed to ensure that heat transfer results based on experiments are reliable.

Topics of interest include:

- Heat and mass transfer problems also with change of phase;
- Heat transfer enhancement;
- Multiphase flow;
- Unsteady flow and instabilities;
- Methods for identifying two-phase flow structures;
- Computational methods for solving heat and mass transfer problems;
- Prediction of correlations between heat transfer and pressure drops;
- Practical applications.

---

### Guest Editor

Prof. Dr. Magdalena Piasecka

Faculty of Mechatronics and Mechanical Engineering, Kielce University of Technology, Al. Tysiaclecia Panstwa Polskiego 7, 25-314 Kielce, Poland

---

### Deadline for manuscript submissions

closed (31 May 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 8.3



[mdpi.com/si/169151](https://mdpi.com/si/169151)

*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)