Special Issue

Recent Advance in Heat Transfer and Fluid Flow

Message from the Guest Editors

In the last decade, research on heat transfer and fluid flow processes, as well as on the control and optimization of these processes in machines and devices, has developed significantly. These studies have contributed to the creation of more efficient, reliable, and sustainable energy systems. Today, growing environmental challenges and the need to improve energy efficiency have increased the need for innovative solutions based on advanced analyses, simulations, and optimization methods. We are pleased to invite you to contribute to this Special Issue, which aims to present contemporary directions and perspectives on the application of heat transfer and fluid-flow processes in machines and devices, including heat exchangers, industrial furnaces, boilers, pumps, turbines, and compressors. Topics of interest include, but are not limited to, the following: the improvement of thermal and hydraulic efficiency, the reduction of energy losses, and the implementation of environmentally friendly technologies.

Guest Editors

Dr. Magda Joachimiak

Faculty of Environmental Engineering and Energy, Institute of Thermal Energy, Poznan University of Technology, 60-965 Poznań, Poland

Dr. Łukasz Semkło

Institute of Thermal Energy, Faculty of Environmental Engineering and Energy, Poznan University of Technology, 60-965 Poznań, Poland

Deadline for manuscript submissions

15 April 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/259079

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)