

## Special Issue

# Advances in Thermodynamics and Fluid Mechanics for Sustainable Energy and Propulsion Systems

### Message from the Guest Editors

This Special Issue highlights the crucial role of thermodynamics and fluid mechanics in driving sustainable energy and propulsion technologies. As the global community works toward net-zero emissions, energy systems must evolve in how they generate, convert, store, and utilize energy. This issue invites contributions that improve system efficiency, reduce emissions, and accelerate breakthroughs in:

- Energy Systems & Sustainable Technologies
- Hydrogen and Carbon Capture
- Heat & Mass Transfer (e.g., nanofluids, thermal storage)
- Advanced Energy Storage Devices
- Aerospace & Propulsion Innovation

We welcome original research (theoretical, numerical, experimental) and comprehensive reviews. Your insights will support progress in decarbonization, sustainable mobility, and clean energy.

---

### Guest Editors

Dr. Paolo Tamburrano

Department of Mechanics, Mathematics and Management (DMMM),  
Polytechnic University of Bari, 70125 Bari, Italy

Dr. Francesco Sciatti

Department of Mechanics, Mathematics and Management (DMMM),  
Polytechnic University of Bari, 70125 Bari, Italy

---

### Deadline for manuscript submissions

31 January 2026



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/248298](https://mdpi.com/si/248298)

*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)