

# Special Issue

## Advances in Fuel Energy

### Message from the Guest Editor

Ongoing climate change, the depletion of natural resources, and growing energy demands have rendered the production of new types of fuels for energy systems, including combustion engines and boilers, very crucial. Using alternative fuels, either as direct propellants or as additives to classic fossil fuels, may have both positive and negative consequences for energy machines and the environment. This SI aims to present the latest research results related to the use of various types of fuels to power combustion engines, boilers and other thermal machines in maritime, road, railway and air transport applications. Additionally, we are interested in the combination of these fuels in stationary power and heating plants. We intend for the studies published in this SI to highlight the impact of alternative fuels and their combinations with other fuels on the level of exhaust gases emissions, energy performance (power, torque, speed, energy efficiency), component wear, reliability, and safety of operation, cost effectiveness, as well as the functionalities (maintainability, noise, vibrations) of machines and devices powered by these fuels.

---

### Guest Editor

Prof. Dr. Leszek Chybowski

Faculty of Marine Engineering, Maritime University of Szczecin, 70-500 Szczecin, Poland

---

### Deadline for manuscript submissions

closed (30 June 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/192779](https://mdpi.com/si/192779)

*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)