

## Special Issue

# Advances in Fuels and Combustion

### Message from the Guest Editors

We are pleased to announce the upcoming Special Issue, "Advances in Fuels and Combustion", of *Energies*. The papers in this Special Issue are expected to advance our understanding of novel fuels (including conventional, alternative, and surrogate fuels) through new experimental, theoretical, and/or kinetic modeling studies, which include but are not limited to the following:

- Experimental studies related to facilities such as burners, jet-stirred reactors, flow reactors, shock tubes, rapid compression machines, and engines;
- Chemical kinetic modeling, including development and validation of reaction mechanisms;
- Studies of oxidative and pyrolytic reaction pathways, including species thermodynamic, transport properties, and rate expressions;
- CFD simulations of experiments, engines, and other facilities;
- Production pathways of renewable fuels, including techno-economic analysis and life-cycle analysis;
- Application of synthetic fuels in road transport, shipping, aviation, and power generation;
- Regulations and market launch;

---

### Guest Editors

Dr. Marina Braun-Unkhoff

Institute of Combustion Technology, German Aerospace Center (DLR), Pfaffenwaldring 38-40, 70569 Stuttgart, Germany

Dr. Sandra Richter

Institute of Combustion Technology, German Aerospace Center (DLR), Pfaffenwaldring 38-40, 70569 Stuttgart, Germany

---

### Deadline for manuscript submissions

closed (30 September 2024)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 8.3



[mdpi.com/si/165179](https://mdpi.com/si/165179)

*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 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)