



*energies*

an Open Access Journal by MDPI



## Trends and Prospects in Engine Combustion

Guest Editor:

**Prof. Dr. Yingjia Zhang**

School of Energy and Power  
Engineering, Xi'an Jiaotong  
University, Xi'an 710049, China

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### Message from the Guest Editor

This Special Issue of *Energies* seeks to attract articles that relate physics and chemistry in engine combustion, engine fuels, high-frequency laser diagnostics in combustion, low temperature catalysis, and new concept combustion aspects of this topic, as well as application of digital twin/AI modeling in engine combustion.

Keywords:

- Physics and chemistry in engine combustion
- Engine fuels
- High-frequency laser diagnostics in engine combustion
- Low temperature catalysis
- High pressure and dilute combustion
- New concept engine combustion
- Digital twin/AI modeling used in engine combustion



[mdpi.com/si/79666](https://mdpi.com/si/79666)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## 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 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)