



## Thermal Fluids and Energy Systems

Guest Editors:

**Dr. Zheyang Jin**

School of Aerospace Engineering  
and Applied Mechanics, Tongji  
University, Shanghai 200092,  
China

**Dr. Zhiwen Gan**

Research Institute of Aero-  
Engine, Beihang University,  
Beijing 102206, China

**Dr. Haiyang Hu**

School of Energy and Power  
Engineering, Beihang University,  
Beijing 100191, China

Deadline for manuscript  
submissions:

**closed (10 April 2023)**

### Message from the Guest Editors

The purpose of this Special Issue is to publish original research papers and reviews in the above-mentioned research areas. We would like to draw special attention to the development of new energy and renewable energy, as well as the economical, efficient, and safe application of energy.

Unsolved research challenges in thermal fluids and energy systems are massive, such as thermal protection in complex high temperature fluid machineries, combustion chemistry of biofuels, modeling of radiation from thermal fluid with turbulent mixing and combustion, and formation processes of pollutant in combustion. The discussions of those problems are undoubtedly meaningful for the amount of engineering technologies and can also eliminate the energy and environmental problems. We thus solicit research articles for this Special Issue. All types of research approaches are equally acceptable: experimental, theoretical, computational, and their mixtures.

This Special Issue is looking for, but not limited to, contributions in the following focus areas:

- Thermal fluids;
- Aircraft icing;
- Wind turbine icing;
- Combustion;
- Thermal protection;
- Energy systems;
- Fuel;
- Radiation heat transfer.





# 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 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
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://twitter.com/energies_mdpi)