



*energies*



an Open Access Journal by MDPI

## Thermochemical Conversion for Energy Production

Guest Editors:

**Dr. Igor Donskoy**

Melentiev Energy Systems  
Institute, Siberian Branch of the  
Russian Academy of Sciences, St.  
Lermontov 130, 664033 Irkutsk,  
Russia

**Dr. Aleksandr Kozlov**

Melentiev Energy Systems  
Institute, Siberian Branch of the  
Russian Academy of Sciences, st.  
Lermontov 130, 664033 Irkutsk,  
Russia

**Dr. Denis Svishchev**

Melentiev Energy Systems  
Institute, Siberian Branch of the  
Russian Academy of Sciences, st.  
Lermontov 130, 664033 Irkutsk,  
Russia

### Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to processes and systems using thermochemical conversion of fuels, including combustion, gasification, pyrolysis, torrefaction, and hydrothermal conversion. Efficient processing of various fuels is one of the most crucial problems in energy and chemical engineering, and studies in this field are motivated by technical, economic, and environmental factors. Organic fuel is still the main energy source today, and it will be for a long time to come. Besides well-known processes, new, efficient methods of thermochemical conversion have been developed, such as chemical looping cycles, catalytic conversion, oxy-fuel conversion, solar-driven conversion, and electrochemical conversion.

Deadline for manuscript  
submissions:

**closed (25 July 2021)**



[mdpi.com/si/64693](https://mdpi.com/si/64693)

# 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)