

Special Issue

Trends and Prospects in Advanced Energy Materials 2023

Message from the Guest Editors

The aim of this Special Issue is to summarize the success of the fundamental science and applied research on materials used for harvesting, conversion, storage, transmission, and utilization of energy. The issue will also include achievements in decreasing materials' sensitivity, toxicity, instability, and proneness to decomposition or degradation over a short time. Further additions to this issue will include modern and advanced signal flare compositions, an understanding of the ignition mechanisms, and continuing development of advanced ignition methods. Moreover, techniques for the characterization of energy materials and their output as well as principles and effects of explosions will be discussed in this Special Issue. Topics of interest for publication include but are not limited to:

- ***Novel theoretical approaches to evaluating properties of high-energy materials;***
- ***Synthesis of advanced energy materials;***
- ***Properties of advanced energy materials and ways for their improvement;***
- ***Maintenance of high-energy materials;***
- ***Novel methods for high-energy materials recognition.***

Guest Editors

Dr. Jelena Tamuliene

Institute of Theoretical Physics and Astronomy, Vilnius University,
Sauletekio av. 3, LT-10222 Vilnius, Lithuania

Dr. Jonas Sarlauskas

Life Sciences Center, Department of Xenobiotics Biochemistry,
Institute of Biochemistry, Vilnius University, Sauletekio av. 7, LT-10257
Vilnius, Lithuania

Deadline for manuscript submissions

closed (30 November 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/152827

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)