

## Special Issue

# Advanced Materials for Sustainable Energy Applications

### Message from the Guest Editors

Society is still mostly powered by fossil fuels. An urgent requirement for sustainable energy and new energy conversion technologies that could provide humanity with a safe and sustainable future after the oil storage has gone. Materials with new structures and new functions have the greatest potential impact on the field of energy. Major advances in materials can give clean energy resources, as well as sustainable development that can play a significant role in providing new methods for collecting energy from different resources with less cost. This issue is dedicated to emerging applications of advanced materials in the areas of sustainable energy such as batteries, solar cells, fuel cells, nanogenerators, and energy storage devices. The main motivation behind this issue is to publish feature research in the abovementioned fields which are of importance to academic researchers, materials scientists, environmentalists, and industrialists.

---

### Guest Editors

Dr. Shuhai Liu  
Dr. Zheng Wang  
Dr. Leixin Meng

---

### Deadline for manuscript submissions

closed (11 July 2023)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 8.3



[mdpi.com/si/119919](https://mdpi.com/si/119919)

*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)