



*energies*



an Open Access Journal by MDPI

## Energy Transition and Sustainability: Low-Carbon Economy

Guest Editors:

**Prof. Dr. Soochaeol Lee**

Faculty of Economics, Meijo  
University, Nagoya Aichi 468-  
0073, Japan

**Dr. Jean-Francois Mercure**

Department of Land Economy,  
University of Exeter, North Park  
Road, Exeter EX4 4QE, UK

**Prof. Dr. Toru Morotomi**

Graduate School of Economics,  
Kyoto University, Yoshida-  
Honmachi, Sakyo-Ku, Kyoto 606-  
8501, Japan

Deadline for manuscript  
submissions:

**closed (30 June 2025)**

### Message from the Guest Editors

Dear Colleagues,

To accelerate the green energy transition and promote efficient energy resources in the world, a range of policy options and joint efforts among the countries will be required, including carbon pricing, energy tax reform, the expansion of transition finance, and support for the development of low-carbon and resource-efficient social infrastructure.

We invite papers to contribute ideas on how to effectively design decarbonization policies and support energy transition and decarbonization technologies towards a sustainable future under three sub-topics: 1) the theory and modeling of the energy transition toward a low carbon (decarbonized) economy; 2) the energy transition and decarbonized technological innovations; and 3) decarbonization policy designs and their impact on the economy.

This Special Issue wishes to promote the discussion and collection of ideas regarding a successful energy transition for the sustainable future of the world.



[mdpi.com/si/156155](https://mdpi.com/si/156155)

# Special Issue



# *energies*



an Open Access Journal by MDPI

## Editor-in-Chief

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

Department of Mechanical and  
Industrial Engineering, University  
Nicolò Cusano, 00166 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, CAPus / 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/X@energies_mdpi)