

## Special Issue

# Selected Papers from the 5th New Mobility Congress on Electric Vehicles

### Message from the Guest Editors

This Special Issue showcase the technical solutions presented and encourage researchers to present their theoretical, simulation, and experimental research related to the issue of decarbonisation in transport, electric vehicles and machines, and ICE drives powered by alternative means (e.g., using hydrogen or synthetic fuels). Contributions are also welcome on safety, technology, and engineering solutions for zero-emission vehicles, as well as from experts in the fields of energy, batteries, renewable fuels, zero-emission off-highway machinery, and state-of-the-art solutions. Topics for the Special Issue include the following:

- Trends and solutions in electric motors;
- Traction battery trends and solutions;
- Trends and solutions in the alternative fuel ICE sector;
- Renewable energy generators;
- V2X, V2G, V2H, V2P, and V2I solutions;
- Electrolyzers for hydrogen production;
- Vehicle systems;
- New business models and societal trends;
- Multimodal transport and its environmental impacts;
- Shared mobility.

---

### Guest Editors

Dr. Maciej Gis

Prof. Dr. Jacek Pielecha

Prof. Dr. Ireneusz Pielecha

---

### Deadline for manuscript submissions

closed (31 January 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/213789](https://mdpi.com/si/213789)

*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 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)