

## Special Issue

# Integrated Solutions for Transportation and Energy Systems: Advancing Sustainable Mobility and Power Infrastructure

### Message from the Guest Editors

This Special Issue explores the critical convergence of transportation and energy systems, driving the evolution toward sustainable, low-carbon infrastructures. As electric vehicle adoption surges and renewable energy sources become more prevalent, innovative solutions are needed to seamlessly integrate smart charging, vehicle-to-grid (V2G) technology, and distributed energy resources. Contributions in this issue will highlight advanced research in optimizing charging infrastructures, virtual power plant operations, and IoT-enabled energy management systems. The focus is on cutting-edge techniques—including artificial intelligence, big data analytics, and robust optimization methods—that enhance grid reliability, cybersecurity, and overall system performance. We warmly invite authors to submit high-quality original research, comprehensive reviews, and case studies addressing the challenges and opportunities at the intersection of transportation and energy systems.

### Guest Editors

Dr. Yanxia Wang

Dr. Yihuan Li

Dr. Dapeng Yan

Dr. Huibo Bi

Dr. Shaojun Gan

Dr. Yiqiao Li

### Deadline for manuscript submissions

10 September 2025



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/233932](https://mdpi.com/si/233932)

*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)