

## Special Issue

# Research on Intelligent Operation and Maintenance and Key Technology of New Energy Vehicles

### Message from the Guest Editors

Dear Colleagues With increasing global attention being paid to environmental sustainability, the new energy vehicle industry plays a crucial role in solving the problems of traditional vehicle emissions and resource depletion. New energy vehicles use unconventional vehicle fuels as power sources, which mainly include hybrid vehicles, pure electric vehicles, fuel cell vehicles, and other new energy sources (such as supercapacitors, flywheels, and other efficient energy storage devices) vehicles. For new energy vehicles, research is of great significance to the national economy and people's travel safety. It is urgent to carry out intelligent operation and maintenance work and key technology research for new energy vehicles. The intelligent operation and maintenance of new energy vehicles aims to use data mining, machine learning, big data, and other methods to analyse and process vehicle real-time status data and vehicle record data so as to improve the operation efficiency, reliability, and environmental friendliness of new energy vehicles.

---

### Guest Editors

Dr. Zhenzhen Jin

Prof. Dr. Deqiang He

Prof. Dr. Dechen Yao

---

### Deadline for manuscript submissions

closed (25 July 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/214576](https://mdpi.com/si/214576)

*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)