

## Special Issue

# Sustainability of Energy Conversion and Hydrogen and Fuel Cell Systems

### Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Advanced fuel cell testing techniques and methodologies. Real-time fault diagnosis and prognosis for fuel cell systems. Machine learning and artificial intelligence applications in fuel cell fault diagnosis. Multi-physics simulation models for fuel cell performance prediction. Optimization of fuel cell stack design and operation through simulation. Integration of fuel cell systems with other energy storage and conversion technologies. Experimental and numerical studies on fuel cell degradation mechanisms. Development of diagnostic tools for fuel cell stack and system-level faults. Performance evaluation and benchmarking of fuel cell testing equipment. We look forward to receiving your contributions.

---

### Guest Editors

Dr. Yongping Hou

School of Automotive Studies, Tongji University, Shanghai 201804, China

Dr. Yuan Gao

School of Automotive Studies, Tongji University, Shanghai 201804, China

---

### Deadline for manuscript submissions

30 November 2025



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/235200](https://mdpi.com/si/235200)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Steve W. Lyon  
School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)