



## Energy Storage and Integration of Renewable Energy Systems towards Energy Sustainability

Guest Editors:

**Dr. Jian Chen**

**Prof. Dr. Wen Zhang**

**Dr. Yongliang Liang**

**Dr. Muhammad Mamdouh  
Kabsha**

Deadline for manuscript  
submissions:

**30 November 2024**

### Message from the Guest Editors

Dear Colleagues,

As the world transitions towards cleaner and more sustainable energy sources, the importance of efficient energy storage and the seamless integration of renewable energy systems becomes paramount. The intermittent nature of renewable energy sources, such as solar and wind power, necessitates effective storage solutions to ensure a stable and reliable energy supply. Furthermore, the successful integration of these systems into existing energy infrastructure plays a pivotal role in maximizing their benefits and reducing reliance on fossil fuels.

This Special Issue seeks original research and review articles that present new findings and innovative technologies in the areas of energy storage and the integration of renewable energy systems. We encourage submissions with a strong applied focus, emphasizing practical solutions and real-world implementation. Manuscripts should address the challenges associated with energy storage technologies, explore novel approaches for integrating renewable energy systems into the grid, and highlight the potential environmental and economic benefits of these advancements.

We look forward to receiving your contributions.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## 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. *Sustainability* publishes original research articles, review 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.

## 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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)