

## Special Issue

# New Technologies for Sustainable Energy Storage Systems

### Message from the Guest Editors

Sustainable energy storage systems, such as lithium-ion batteries, solid-state batteries, and fuel cells, play a crucial role in enabling reliable integration of renewable energy, reducing reliance on fossil fuels, and driving the global shift toward a resilient, low-carbon future. This Special Issue focuses on new technologies of sustainable energy storage systems. Original high-quality technical papers about modeling, optimization techniques, control strategies, and fault diagnosis of sustainable energy storage systems, as well as state-of-the-art review papers and short communications that report new findings, are invited for submission.

### Guest Editors

Dr. Quan Ouyang

Prof. Dr. Zhisheng Wang

Dr. Angelo Algieri

### Deadline for manuscript submissions

closed (20 May 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/222092](https://mdpi.com/si/222092)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )