

Special Issue

Research on Electrochemical Energy Storage and Energy Conversion/Evolution Materials and Devices

Message from the Guest Editors

The depletion of fossil fuels and fast-progressing technological innovations raises severe, global ecological and energy concerns. Therefore, the universal energy paradigm is swiftly bending from fossil fuels to sustainable renewable energy storage and zero-emission hydrogen energy generation sources. Supercapacitors, a well-known electrochemical capacitor from the family of batteries, have triggered remarkable research interest because of their features, such as cost-effectiveness, fast charging ability, high power density, and long cycle span. Additionally, hydrogen is the most significant energy source due to its high efficiency, clean and green fuel, and high energy density, substituting traditional fossil fuel-based energy sources to achieve a zero-emission and pollution-free environment. This Special Issue will publish high-quality reviews and original research papers, in the fields of: Supercapacitors; Energy storage devices; Electrocatalytic hydrogen and oxygen evolution reactions; Photocatalytic hydrogen generation.

Guest Editors

Dr. Sagar Mane
Prof. Dr. Rajneesh Kumar Mishra
Dr. Jay Singh

Deadline for manuscript submissions

closed (20 October 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/140198

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

mdpi.com/journal/

appls-ci





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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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