



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

Guest Editors:

### Dr. Sagar Mane

Department of Fiber System  
Engineering, Yeungnam  
University, Gyeongsan 38541,  
Gyeongbuk, Republic of Korea

### Prof. Dr. Rajneesh Kumar Mishra

Department of Physics,  
Yeungnam University, Gyeongsan  
38541, Gyeongbuk, Republic of  
Korea

### Dr. Jay Singh

Department of Chemistry,  
Institute of Science, Banaras  
Hindu University, Varanasi  
221005, UP, India

Deadline for manuscript  
submissions:

**closed (20 October 2023)**

### 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.





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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

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Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
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