

## Special Issue

# Carbon-Based Materials for Energy Storage and Water Splitting Applications

### Message from the Guest Editors

This special issue covers the design, synthesis, physicochemical characterization, and any electrochemical performances of any carbon materials, their composites, and modifications. Carbon materials include carbon nanotubes, carbon nano/microspheres, carbon nanofibers, graphene, fullerene, etc.). We invite authors to submit their original research work as well as review articles with major focus on carbon-based materials for energy storage and water splitting, carbon dioxide reduction, photo catalysis applications.

#### Keywords

- carbon materials
- electrospinning carbon nanofibers
- graphene oxide
- water splitting
- supercapacitor
- oxygen evolution reaction
- hydrogen evolution reaction

---

### Guest Editors

Dr. Arjun Prasad Tiwari

Department of Nano Convergence Engineering, Jeonbuk National University, Jeonju 54896, Republic of Korea

Dr. Gunendra Prasad Ojha

Carbon Composite Energy Nanomaterials Research Center, Woosuk University, Wanju-Gun 55338, Jeollabuk-do, Republic of Korea

---

### Deadline for manuscript submissions

closed (31 October 2023)



## Electrochem

---

an Open Access Journal  
by MDPI

---

CiteScore 7.4



[mdpi.com/si/64553](https://mdpi.com/si/64553)

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

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





# Electrochem

an Open Access Journal  
by MDPI

CiteScore 7.4



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Masato Sone  
Institute of Innovative Research, Tokyo Institute of Technology, 4259  
Nagatsuta-Cho, Midori-ku, Yokohama 226-8503, Japan

---

#### Author Benefits

##### High Visibility:

indexed within Scopus, CAPlus / SciFinder, and other databases.

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.7 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).

##### Journal Rank:

CiteScore - Q1 (Materials Chemistry)