# **Special Issue**

## Novel Electrode for High-Performance Supercapacitors and Electrocatalysis

### Message from the Guest Editors

The current Special Issue focuses on the novel developments in advanced carbon materials research, seeking to improve energy storage device performance and electro catalysis. It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications, and reviews are welcome. Potential topics of the issue include but are not limited to the following:

- The future of energy storage devices;
- Electrochemical energy conversion and storage;
- New electrode materials for energy storage;
- The supercapacitor and its applications;
- Challenge of energy storage devices;
- Electrocatalysis;
- Oxygen electro-reduction (OER);
- Hydrogen evolution reaction (HER);
- CO2 electro-reduction;
- Electro-Fenton processes.

#### **Guest Editors**

Dr. Abdelhakim Elmouwahidi

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Dr. María Pérez-Cadenas

Deadline for manuscript submissions

closed (10 February 2025)



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# About the Journal

### Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

### Editor-in-Chief

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