





an Open Access Journal by MDPI

# **Latest Advances and Prospects of High-Performance Supercapacitors**

Guest Editors:

#### Dr. Sumanta Sahoo

School of Chemical Engineering, Yeungnam University, Gyeongsan, Republic of Korea

### Dr. Santosh K. Tiwari

- 1. Department of Chemistry, University of Warsaw, Warsaw, Poland
- 2. Key Laboratory of New Processing Technology for Nonferrous Metals and Materials, Ministry of Education, School of Resources, Environment and Materials, Guangxi University, Nanning, China

Deadline for manuscript submissions:

closed (17 March 2023)

# **Message from the Guest Editors**

This open-access special issue will bring together original research, mini-review, research prospect and comprehensive state-of-the-art articles on the latest innovations in supercapacitor technologies. This special issue highlights novel synthetic strategies, innovative electrode materials, and distinctive device fabrication techniques for supercapacitor applications. The key feature of this special issue is to deliver the latest cuttingedge innovations in supercapacitor technologies. We invite all the researchers to submit their work related to the synthesis strategies and fabrication techniques of supercapacitors.

Research areas of this special issue comprise, but are not restricted to:

- Flectrode materials
- Latest 2D materials
- Hybrid nanomaterials
- Electrochemical behavior of nanomaterials
- Energy materials
- Advanced synthetic approaches
- Biomass-derived carbon nanomaterials
- Microporous and mesoporous materials
- Nano carbons (Graphene, Graphene Oxide, CNTs, Nanoionics, Fullerenes etc.)











an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

## **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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

#### **Contact Us**