



an Open Access Journal by MDPI

# Advances in Design, Performance and Applications of Electrochemical Materials

Guest Editor:

#### Dr. Balasubramanian Sriram

Department of Materials and Mineral Resources Engineering, National Taipei University of Technology, Taipei 106, Taiwan

Deadline for manuscript submissions: **20 June 2024** 

### Message from the Guest Editor

#### Dear Colleagues,

This Special Issue of *Materials*, entitled "Advances in Design, Performance, and Applications of Electrochemical Materials". delves into the latest innovations and breakthroughs in the field of electrochemical materials. Electrochemical materials are integral to a wide range of applications, including energy storage, electrocatalysis, sensors, and more. This collection of research articles intends to showcase cutting-edge developments in the design, synthesis, and characterization of materials that have a profound impact on enhancing performance and enabling novel applications in electrochemistry. This Special Issue brings together contributions from experts in materials science, chemistry, and engineering, presenting a comprehensive view of the current state of the art and future prospects in this dynamic field. From new materials for energy storage to advanced electrocatalysts for green chemistry, this Issue offers valuable insights into the evolving landscape of electrochemical materials.









an Open Access Journal by MDPI

# **Editor-in-Chief**

#### Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

### Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and svstems. 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.

## **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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## **Contact Us**

*Materials* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/materials materials@mdpi.com X@Materials\_Mdpi