



an Open Access Journal by MDPI

Research on High-Efficiency Catalytic Materials for Energy and Environment

Guest Editor:

**Prof. Dr. Carlos Alberto
Martínez-Huitle**

Institute of Chemistry, Federal
University of Rio Grande do
Norte, Natal CEP 59078-970, Rio
Grande do Norte, Brazil

Deadline for manuscript
submissions:

20 January 2025

Message from the Guest Editor

We are pleased to announce the upcoming Special Issue of *Materials* on "Research on High-Efficiency Catalytic Materials for Energy and Environment". This SI aims to highlight recent advances and innovations in catalytic materials for applications in energy conversion and environmental protection.

Key topics of interest for this SI include, but are not limited to:

- Novel synthesis methods and techniques for the preparation of catalytic materials;
- Catalytic materials for energy conversion processes and environmental applications;
- Advanced characterization techniques for understanding the structure-property relationships of catalytic materials;
- Computational modeling and simulation of catalytic processes and materials;
- High-performance catalyst design and optimization strategies;
- Sustainable and eco-friendly approaches for catalyst synthesis and manufacturing.

Researchers are encouraged to submit original research papers, reviews, and communications that contribute to this important and timely field. Thank you for your consideration.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. 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 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.

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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)