



an Open Access Journal by MDPI

Feature Paper in Section Catalytic Materials

Guest Editors:

Dr. Simona Bennici

CNRS, IS2M UMR 7361, Université
de Haute-Alsace, F-68100
Mulhouse, France

Prof. Dr. Ilenia Rossetti

Dip. Chimica, Università degli
Studi di Milano, Via C. Golgi 19,
20133 Milano, Italy

Deadline for manuscript
submissions:

closed (10 July 2022)

Message from the Guest Editors

Heterogeneous, homogeneous, and enzymatic catalysis embraces all kinds of human activities and is fundamental in product design. Since the introduction of the concept of catalysts' role in chemistry by Berzlius in 1835, a multitude of catalytic materials and processes have been conceived, developed, and implemented: modern industry and society would not exist without catalysts.

The present Special Issue aims to collect featured research and review articles in the various domains of catalysis: homogeneous, heterogeneous, enzymatic, photo-, and electrocatalysis.

Topics of interest for publication include but are not limited to:

- Petrochemistry;
- Environmental catalysis;
- Green catalytic processes;
- Catalysis in energy storage and production;
- Catalysts in pharma- and agro-industry;
- Photochemistry/photocatalysis;
- Electrochemistry;
- Biocatalysis

All these subjects can be approached from an experimental or theoretical point of view, deriving from academic studies or from industrial applications. The evaluation of socioeconomic and environmental impacts of catalysts in the various processes is welcome.





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)