materials

IMPACT FACTOR 3.1

Indexed in: PubMed

CITESCORE 5.8

an Open Access Journal by MDPI

Recent Advances in the Environmental Remediation Using Zeolites and Other Adsorbent Materials

Guest Editor:

Dr. Marin Senila
INCDO-INOE 2000 Research Institute for Analytical Instrumentation Cluj-Napoca, Ploiesti, Romania

Deadline for manuscript submissions:
20 February 2025

Message from the Guest Editor

Dear Colleagues,

The topic of the Special Issue is devoted to the newest research trends in the field of environmental treatment techniques using zeolites and other adsorbent materials.

Water treatment with the aid of zeolites and adsorbent materials is one of the oldest applications; however, at the same time, there are many perspectives related to its future developments. One of the most promising soil remediation techniques is in situ stabilization using adsorbing amendments to incorporate and immobilize heavy metals to reduce their bioavailability and transfer to the biota. Zeolites and other adsorbent materials have potential in the purification and separation of gases based on their ability to act as molecular sieves. All these applications are based on porous characteristics which provide them with high adsorption capacities and ion exchangers properties.

The articles presented in this Special Issue of *Materials* will cover various topics ranging from reports on the zeolites and other porous materials' characterization, modifications and synthesis and their applications in wastewater treatment, soil remediation, and purification and separation of gases.

materials

IMPACT FACTOR 3.1 | Indexed in: PubMed | CITESCORE 5.8

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