Special Issue

Sustainable Nanocomposites and Technologies for Water Treatment

Message from the Guest Editors

This SI is devoted to the development of new materials (bulk, composites, and hybrids) through the improvement/transformation of specific processes for wastewater treatment. Among the topics of interest, specific attention will be given to papers related to:

- Development of innovative processes for the synthesis of lamellar clay-like compounds, zeolites, hydrotalcites, etc., by tuning synthesis conditions in order to obtain the best adsorption properties;
- Formulation of innovative composite materials for application in liquid-phase adsorption processes;
- Elaboration of bio-sourced materials from different biomasses or carbon materials (biochars, hydrochars, chars, activated carbons) for the specific removal of heavy metals or radionuclides;
- Use of microorganisms to support the removal of heavy metals;
- Development of new, highly selective polymers or surfactants.

Guest Editors

Dr. Lakshmi Prasanna Lingamdinne
Department of Environmental Engineering, Kwangwoon University, Seoul 01897, Republic of Korea

Dr. Janardhan Reddy Koduru
Department of Environmental Engineering, Kwangwoon University, Seoul 01897, Republic of Korea

Deadline for manuscript submissions

closed (20 November 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/135500

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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.

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

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