Special Issue

Nanostructured Materials for Environmental Friendly and Related Energy Applications

Message from the Guest Editor

Nanostructured materials, solids with sizes on the nanometer scale, have been under study for several years because of their size-related properties and versatility in many fields of science and technology, attracting extensive interest from researchers in the academy and industry. These include carbon-based structures (e.g. activated carbon, carbon nanotubes, fullerene), zeolites, pillared materials, organosilicates, and various other examples. In this Special Issue, we welcome scholars working in nanostructured materials in relation to environmental and energy applications to submit contributions in the form of research papers, communications, and reviews. Putative topics include, but are not limited to, recent research and new trends in the synthesis of porous structures, the development of advanced multifunctional materials, and their use in energy and environmental applications such as the conversion of gaseous organic pollutants, carbon capture, and the design of supercapacitors. We are particularly interested in gas sequestration and storage.

Guest Editor

Dr. Alfonso Policicchio

Department of Physic, Universit della Calabria, Via Pietro Bucci, 87036 Arcavacata di Rende, Italy

Deadline for manuscript submissions

20 December 2025

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/239885

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

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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

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