Special Issue

Novel Applications of Nanomaterials

Message from the Guest Editors

Nanomaterials are one of the significant topics regarding the rise of nanotechnology. Understanding nanomaterials is becoming increasingly crucial as it generates plausible new solutions to current problems or simply improves our lives. Due to the different chemical and physical properties at the nano-scale, nanomaterials can be applied to a myriad of research fields or industries, such as medicine, electronics, cosmetics, textiles, agriculture, and the environment. For example, the most common applications within the medical field are drug delivery, pharmaceutical design, and resolution imaging. Furthermore, using nanomaterials in textiles has improved the creation of products that will protect from ultraviolet rays, odor absorption, and water resistance or make the material lighter. Moreover, in the agricultural industry, the goal has primarily included the protection of the plant and soil, using improved pesticides or fertilizers. Thus, this Special Issue seeks the novel applications demonstrated in comprehensive articles on nanomaterials.

Guest Editors

Dr. Wesley Wei-Wen Hsiao

Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan

Prof. Dr. Wei-Hung Chiang

Department of Chemical Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan

Deadline for manuscript submissions

closed (20 April 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/160523

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)