Special Issue

Materials Make a Better Life: Functional Metals, Metal Oxides, and Metal Complexes

Message from the Guest Editors

A global crisis related to the prevailing COVID-19 pandemic has revealed the threats arising from the rapid increase in antimicrobial resistance (AMR) and from the possibility of appearance of new kinds of viruses. The wide research currently carried out aims at the production of new materials, to know their microbicidal or antiviral mechanisms and to use them in various areas of our life. Our Special Issue would be studies concerning material based on metals, metal oxides, and d-electron metal complexes and their potential applications in different fields of our life, e.g., in medicine, cosmetics, the food industry, agriculture, and environmental protection. Biodegradable materials with the potential to be used in various areas of our life. We would like this Special Issue to become a place for presenting research results and exchanging experiences in the field of use of metals, their oxides, and their complexes in various biomedical applications. The results of research on the material synthesis and their physicochemical, mechanical, photocatalytic properties, and biological activity are of interest to us.

Guest Editors

Prof. Dr. Piotr Piszczek

Faculty of Chemistry, Nicolaus Copernicus University in Toruń, ul. Gagarina 7, 87-100 Toruń, Poland

Prof. Dr. Aleksandra Radtke

Faculty of Chemistry, Nicolaus Copernicus University in Toruń, 87-100 Toruń, Poland

Deadline for manuscript submissions

closed (20 November 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/83675

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

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)