

Special Issue

Functional Materials in Biomedical Applications

Message from the Guest Editor

The accumulated knowledge in the field of materials science over the last two decades has allowed the design of new materials for various biomedical applications. Functional materials are designed to use their natural or engineered functionalities to interact appropriately with biological systems. Thus, the aim of this Special Issue is to publish valuable papers, which advance the topics of functional materials for biomedical applications, such as drug-delivery systems, tissue engineering, biomimetic materials, implant materials, stimuli-responsive biosystems, matrices for encapsulation biological active compounds, and imaging nanosystems. In the field of nanomaterials, where properties are dependent on particle size, biomedical applications are receiving increasing interest. Hence, papers dealing with the synthesis of nanostructured materials and properties are very welcome. It is my pleasure to invite you to submit research papers, communications, or critical reviews within the scope of this Special Issue. I hope that this collection of papers will become a source of new ideas for the design of novel functional materials for future medicine.

Guest Editor

Prof. Dr. Daniela Berger

Department Inorganic Chemistry, Physical Chemistry and Electrochemistry, Faculty of Chemical Engineering and Biotechnologies, University Politehnica of Bucharest, 1-7 Gh. Polizu Street, 011061 Bucharest, Romania

Deadline for manuscript submissions

closed (30 September 2021)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/54897

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

[mdpi.com/journal/
materials](https://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](https://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)