

Special Issue

Biomedical Polymers and Drug Delivery Systems

Message from the Guest Editor

The compelling, human side to biomaterials is that millions of lives are saved, and the quality of life is improved for millions more. Among all materials, functional polymers are some of the most suitable and widely researched materials for biomedical applications. To date, polymeric materials have been introduced as implant instruments, scaffolds for tissue engineering, drug and gene delivery systems, replacement materials for heart valves and arteries, antibacterial materials, biosensors, etc. Both natural and synthetic polymers with good biocompatibility and biological functions can be used in the biomedical field. This Special Issue, entitled *Recent Developments in Advanced Polymeric Materials for Biomedicine*, is intended to cover all recent aspects of the biomedical application of polymeric materials, including the application of synthetic polymers, natural polymers, and modified natural polymers in tissue engineering, drug and gene delivery, biosensing, antibacterial fields, etc., as well as the design, synthesis, characterization and the biomedical applications of novel biofunctional polymers.

Guest Editor

Prof. Dr. Cao Li

School of Materials Science and Engineering, Hubei University, Wuhan, China

Deadline for manuscript submissions

closed (10 December 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/101853

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)