Special Issue

Polymer-Based Nanoparticles for Drug Delivery Applications

Message from the Guest Editor

Polymer nanoparticles are versatile carriers for the delivery of drugs through different delivery routes. This versatility turns them into excellent tools for the development of innovative drug delivery systems. In fact, they can deliver different types of drugs such as conventional drugs, proteins, and nucleic acids in a sustained, controlled, or targeted manner, while simultaneously protecting the stability of the loaded drug. In particular, active and passive targeting can improve the therapeutic effect of drugs and decrease their systemic toxicity, which is very important in the treatment of severe diseases such as cancer, autoimmune and inflammatory diseases, and others. This Special Issue aims to provide an overview about the recent advances in the delivery of drugs using polymer-based nanoparticles, focusing on promising strategies for the improvement of therapies and of patients' quality of life. As the , I cordially invite all researchers to contribute original research articles or reviews on this important and exciting research field.

Guest Editor

Dr. Pedro Fonte

1. Center for Marine Sciences (CCMar), University of Algarve, Gambelas Campus, 8005-139 Faro, Portugal
2. Institute for Bioengineering and Biosciences (iBB), Instituto Superior Técnico, University of Lisboa, Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal

Deadline for manuscript submissions

closed (20 May 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/35489

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)