Special Issue

Delivery Nanomaterials for Cancer Therapy

Message from the Guest Editors

Nanomaterial use in biomedicine has grown extensively in recent decades. Particular focus has been devoted to nanoparticles as drug delivery systems in cancer treatment as nanosized drug carriers possess specific advantages when compared to conventional drugs. Namely, conjugation of conventional drugs with nanocarriers improves drug stability and biocompatibility. Furthermore, it promotes drug accumulation due to better enhanced permeability and retention effect. Importantly, it allows cancer cell targeting and helps to overcome drug resistance. Although there is still a little bit of uncertainty in the use of nanocarriers in human cancer treatment, we believe in their success. A big step ahead has been the development of nanocarriers consisting of different nanoparticles, boosting the performance of the final drug carrier. In this Special Issue, we plan to gather representative delivery approaches based on different nanomaterials, including hybrid structures with the final aim to target cancer cells. Full papers, communications, and reviews are all welcome

Guest Editors

Dr. Veronika Benson

Institute of Microbiology, Czech Academy of Sciences, Videnska 1083, 140 00 Prague 4, Czech Republic

Dr. Parastoo Pourali

Institute of Microbiology, Czech Academy of Sciences, Videnska 1083, 140 00 Prague 4, Czech Republic

Deadline for manuscript submissions

closed (10 March 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/94179

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)