# Special Issue

# Drug Delivery: Recent Developments and Future Prospects

## Message from the Guest Editor

The effectiveness of drugs is significantly related to their route of delivery. Thus, the development of efficient drug delivery systems (DDSs) is of paramount importance in better controlling the pharmacodynamic and pharmacokinetic profile of drugs. Other aspects, such as immunogenicity and toxicity, are also impacted by their delivery mechanism. Currently, materials in the nanoscale range are employed to deliver drugs to specific targeted sites in a controlled manner. The opportunities and challenges of nanomedicines in drug delivery from synthetic/natural sources are currently subjected to intense scrutiny, and the information regarding the trends and perspectives in the nanomedicine area is very indulging. These delivery vehicles are only a small part of those currently available. In this Special Issue, we aim to attract the interest of colleagues in the drug delivery systems field and encourage them to contribute their research work on state-of-the-art drug delivery carriers with promising perspectives.

## Guest Editor

Dr. Marilena Vlachou

Section of Pharmaceutical Technology, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens, 15784 Athens, Greece

## Deadline for manuscript submissions

closed (10 November 2022)

**Materials**

**an Open Access Journal by MDPI**

**Impact Factor 3.2**
**CiteScore 6.4**
**Indexed in PubMed**

mdpi.com/si/50145

*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)