

Special Issue

Metal Based Nano and Microparticles for Drug Delivery and Antibacterial Applications

Message from the Guest Editors

Due to the outbreak of infectious diseases caused by different pathogenic microorganisms and antibiotic resistance development, pharmaceutical companies and researchers search for new agents. In this context, the development of new materials such as Metal Based Nano particles and the fabrication of high-performance materials created a proper opportunity for authorities to replace common for Biomedical Applications platforms with novel technologies based on nanomaterials. Among the most attractive ones, Metal Based Nano particles have attracted noteworthy attention and revolutionize features of Biomedical Applications platforms and advanced drug delivery and Antibicrobial. Current Special Issue tried to bring together the new trends and studies in antimicrobial and drug delivery applications of Metal Based Nano particles in various fields. This Special Issue is welcome to recent signs of progress in synthesis, especially green and bio synthesis, characterization of Metal Based Nano particles, especially -for Biomedical and newly emerged.

Guest Editors

Dr. Seyyed Mojtaba Mousavi
Dr. Ahmad Gholami
Prof. Dr. Wei-Hung Chiang

Deadline for manuscript submissions

closed (30 April 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/120724

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 Editorial Board

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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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)