Special Issue

Applications of Nano-Designed Systems in Biomedical Research

Message from the Guest Editor

Due to the unique properties of nano-designed systems as potential nanocarriers through biological barriers, their application in drug therapeutics is an important issue that should be specifically addressed. Thus, in an attempt to highlight the medical uses and applications related to nano-designed compositions, *Nanomaterials* has decided to publish a Special Issue "Applications of Nano-Designed Systems in Biomedical Research", which will focus on recent studies and developments of nanosystems for the delivery for drugs and therapeutic agents. The Special Issue of *Nanomaterials* will include:

- Recent advances in theoretical modeling of drug solubilization and release from nanotechnology-based systems.
- Oral delivery and intestinal absorption of drug-loaded nanoparticles.
- Delivery of protein and peptide drugs via nano-systems
- Parenteral delivery and tumor targeting.
- Topical and dermatological use.
- Intranasal and brain targeting.
- Other applications (e.g., ophthalmic, periodontal, etc.).
- Methods and procedures for the manufacture of drug nanocarriers.

Guest Editor

Prof. Dr. Amnon Sintov

Ben-Gurion University of the Negev, Department of Biomedical Engineering, Be'er Sheva 84105, Israel

Deadline for manuscript submissions

closed (30 June 2019)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/15672

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

mdpi.com/journal/nanomaterials

MDPI

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/nanomaterials

MDPI

About the Journal

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)