# Special Issue

## Nanoparticles: Innovative Drug-Delivery Vehicles

### Message from the Guest Editors

Small size, strong permeability, precise targeting, high biocompatibility, and low toxicity make nanoparticles play an important role in drug-delivery systems. They have been extensively studied and exploited for cancer therapy. In this Special Issue, we will review the development of nanoparticles as drug-delivery vehicles, and analyze and discuss the future development of this field from the review. Topics in this Special Issue include, but are not limited to: The synthesis method, structure characterization, application analysis, and novel function development of nanoparticles; The role of nanoparticles in drug delivery in various types of treatment regimens; The targeting mechanism of nanoparticles against tumor cells. See more information at https://www.mdpi.com/si/166090 Assistant

### Guest Editors

Dr. Katayoon Kalantari

Department of Chemical Engineering, Northeastern University, Boston, MA 02115, USA

Dr. Zahra Izadiyan

Department of Chemistry, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia

### Deadline for manuscript submissions

closed (30 November 2023)

**Nanomaterials**

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/166090

*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 )