Special Issue

Nanodispersions Based on Biocompatibility

Message from the Guest Editors

The use of biocompatible nanodispersions in various industrial fields has grown remarkably over the last few years, offering new research opportunities for researchers with different expertise and scientific backgrounds. These nanoscaled dispersions represent smart, nontoxic carriers for encapsulation and delivery of functional compounds, including hydrophobic drugs, natural antioxidants, plant extracts, and micronutrients. Nanodispersions for food, cosmetic, pharmaceutical, and medical purposes should be compatible with biological tissues of living organisms, performing their targeted function without any undesirable effects. The grand challenge in the field of nanoformulations involves both the creation of precisely tailored, nanoscale particles of bioactive compounds and the safe and efficient delivery of those tiny particles to their exact targets. This Special Issue of *Nanomaterials* dedicated to *Nanodispersions Based on Biocompatibility* aims to attract contributions related to the development, structural investigation, and biological evaluation of diverse nanoscale dispersions.

Guest Editors

Dr. Vassiliki Papadimitriou

Institute of Chemical Biology, National Hellenic Research Foundation, 48, Vassileos Constantinou Ave., 11635 Athens, Greece

Dr. Aris Xenakis

Institute of Chemical Biology, National Hellenic Research Foundation, 48 Vassileos Constantinou Avenue, 11635 Athens, Greece

Deadline for manuscript submissions

closed (31 January 2022)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/39533

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

mdpi.com/journal/nanomaterials

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)