Special Issue

Nanomaterials in Biomedicine

Message from the Guest Editor

The advent of nanotechnology and especially nanomedicine has opened up new possibilities for diagnosis and treatment of many diseases. Due to their size and surface properties, nanomaterials have the potential to overcome physiological barriers. In this Special Issue, we are interested in several classes of hybrid nanomaterials (inorganic and organic) for theranostics. The excellent physical and chemical properties of these nanomaterials, as well as their low toxicity, mean that they can be exploited for a wide variety of biomedical applications. Functionalization of these nanomaterials increases their efficacy and specificity. In nanomedicine, this is achieved by binding proteins or other biomolecules to their surface. Your participation in the present Special Issue on "Nanomaterials in Biomedicine" will allow us to explore the latest advances in the field. This Special Issue will cover the elaboration of hybrid nanomaterials for biomedical application.

Guest Editor

Dr. Miryana Hémadi
ITODYS Laboratory, Chemistry Department, Université de Paris, 75013 Paris, France

Deadline for manuscript submissions

closed (31 August 2023)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/96074

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

mdpi.com/journal/nanomaterials

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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

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