Special Issue

Design and Application of Nanomedicines

Message from the Guest Editor

Nanomedicines, which include nanopharmaceuticals, nanoimaging agents, and theranostics, have attracted the attention of scientists in the last decades. Their versatility in composition and physicochemical properties makes them suitable for a wide range of medical applications. To boost the therapeutic and diagnostic efficiency of nanomedicines, adequate design is required, which is not restricted to chemical aspects only. Instead, it requires a holistic approach where the exchange of information between physicians, biologists, chemists, physicists, bioinformatics scientists, and materials scientists will pave the way for achieving this goal. This Special Issue aims to discuss the design and applications of innovative nanomedicines. In this Special Issue, original research articles and reviews from different research areas such as chemistry, nanoinformatics, molecular biology, and pharmacology are welcome.

Guest Editor

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Deadline for manuscript submissions

10 October 2026

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/255072

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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