Special Issue

Functional Polymeric Nanoparticles

Message from the Guest Editor

The application of nanoscale materials in medicine, generally termed nanomedicine, has become mainstream. Nanomedicine is a field of research with huge expectations for the development of personalized medicine based on new nanoparticles. The use of nanoparticles in targeted drug delivery may overcome many intractable health challenges. We invite researchers to contribute original and review articles regarding the functional polymeric nanoparticles. Potential topics include, but are not limited to: synthesis, modification, and functionalization of nanoparticles, encapsulation of actives, nanoparticles' characterization and characterization methods, application of nanoparticles as drug carriers, targeted drug delivery systems, passive, active and physical targeting theranostics, formulating new nanomaterials, in vitro and in vivo studies on nanoparticulate systems.

Guest Editor

Dr. Krzysztof Szczepanowicz
Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences Niezapominajek 8, PL - 30239 Krakow, Poland

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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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