

Special Issue

Morphological Design and Synthesis of Nanoparticles

Message from the Guest Editors

The latest trends in nanoparticle research are aimed at correlating the nanoparticle morphology and function. And there are numerous other examples of functionality that arises from the morphological design of the nanoparticles. The special issue *Morphological Design and Synthesis of Nanoparticles* is aimed at capturing a glimpse of the latest developments in the synthetic strategies of nanoparticles with unique morphologies that endows them with special functions, spanning a broad field of applications, from biology to catalysis, optoelectronics and beyond. This special issue is dedicated to promoting advances in synthetic strategies of nanoparticles with unique morphologies, design of materials derived from use of (multi-)functional nanoparticles, physicochemical investigations of phenomena arising from such nanoparticles, devices incorporating these nanoparticles as active ingredients, and new applications. We are looking forward to your contribution and hope that together we can unlock inspiring new perspectives and boost the interdisciplinary collaboration in this field.

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Deadline for manuscript submissions

closed (30 September 2023)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/132113

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.

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