Special Issue

Non-cytotoxic Nanoparticles

Message from the Guest Editor

With the emergence of engineered nanoparticles in a broad range of applications and in several consumer products, toxicological studies have demonstrated that these materials may exhibit complex cytotoxicity depending, among other reasons, on their chemical composition, surface charge states, size and shape, and physicochemical stability. This Special Issue intends to focus on recently-engineered nanoparticles including semiconductor nanocrystals, iron oxide, graphene, carbon, gold, silver, silica, dendrimers, polymers, etc., exhibiting low toxicity. Synthetic processes, surface modifications, coatings, etc., developed to optimize the design of nanoparticles in view of decreasing their toxicity to biological systems are also of interest.

Guest Editor

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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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