Special Issue

Biological Effects of Nanoparticles

Message from the Guest Editor

Nanomaterials and related technology have become one of the most important research areas in recent decades and will be more important in the future as they are expected to lead to revolutionary change in science, technology, and our world in general. Especially in the biology and medicine areas, nanomaterials have provided new methods, prospects, and possibilities to solve difficult issues, such as tracking cancer cells, assisting in diagnosis and treatment of diseases, and inducing cell differentiation. Therefore, the biological effects of nanomaterials needs to be closely investigated to support their safer and more appropriate applications. This Special Issue aims to compile a set of papers on the biological effects of nanomaterials and share up-to-date and state-of-the-art research in this interesting and important field.

Research articles, reviews, meta-analyses, and short communications on experiments and theories of biological effects of nanomaterials are welcome in this Special Issue.

All researchers in the field are cordially encouraged to submit their manuscripts for consideration for publication in this Special Issue.

Guest Editor

Dr. Wei Fan

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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

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