Special Issue

Advances in Nanotoxicology

Message from the Guest Editors

With increased requirement for novel materials to facilitate societal progress, nanomaterials have been at the forefront of industry and various applications for more than several decades. Another side of the coin is the safety of these nano-enabled products. Safety is of prime importance to the sustainability of any novel technological approach, including nanotechnology. Thus, the main areas of focus of nanotoxicology include: (i) safety assessment of novel nanomaterials; (ii) elucidating toxicity mechanisms of nanomaterials to enable safe-by-design product development, and (iii) discovery of novel biological properties of nanomaterials for applications such as water treatment, nanomedicines, and nanoagrochemicals... For further reading, please follow the link to the Special Issue website at:
https://www.mdpi.com/si/32608

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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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