Special Issue

Nanoparticle- and Cell-Specific Toxicological Mechanisms

Message from the Guest Editor

The Special Issue "Nanoparticle- and Cell-Specific Toxicological Mechanisms" is focused on advancing our understanding of the toxicity of nanomaterials at a cellular level. This issue aims to provide a comprehensive overview of the current knowledge and state-of-the-art research on the toxicity and the interaction mechanisms of nanomaterials with cells. This Special Issue is to bring together researchers and experts in the field to discuss the latest advancements, trends, and challenges in research, including but not limited to nanoparticle structure–activity relationships, emerging hazardous pollutant particles at nanoscale (such as wildfire dusts, nanosized 3D printing emissions and nanoplastics, etc.), and new methodologies and technologies. This issue will build on and extend current knowledge on the toxicity of nanomaterials by incorporating new perspectives and insights from recent research. The purpose of this issue is to provide an up-to-date and comprehensive resource for researchers, practitioners, policy makers, and the general public, and to help to further our understanding of the mechanisms behind nanomaterial toxicity.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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