Special Issue

Nano-Toxicity: Exploring the Ecotoxicological Impacts of Nanoparticles and Combined Exposures

Message from the Guest Editor

This Special Issue is dedicated to exploring the intricate and complex world of ecotoxicology, focusing on the impact of nanoparticles on the environment and living organisms. We are interested in the ecotoxicity of various nanoparticles, including microplastics, nanoplastics, graphene oxide, titanium dioxide nanoparticles, and single-walled carbon nanotubes. The issue will examine nanoparticle ecotoxicology and combined exposure risks from nanoparticles alongside pesticides, heavy metals, and persistent organic pollutants in aquatic and terrestrial environments. A significant part will be dedicated to developing models that predict nanoparticle exposure outcomes and investigating the molecular mechanisms underlying observed toxic effects, such as alterations in cellular processes, oxidative stress, and genotoxicity. This Special Issue aims to compile interdisciplinary research to enhance our understanding of the interactions between nanoparticles and other pollutants and their influence on toxicity at the molecular level. This knowledge is essential for developing strategies to mitigate environmental pollution and protect ecological health.

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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