Special Issue

Toxicity Assessment of Ambient Nanoparticles

Message from the Guest Editors

Nanomaterials are elements with structures and properties different from those of conventional molecules. These properties make them the object of multiple uses. During these uses, there may be releases of nanomaterials into the ambient air, which requires a risk assessment of these nanomaterials. For this assessment, it is necessary to have an identification of the hazard, either by animal studies or by in vitro studies, ranging from the simple identification of organ toxicity to mechanistic approaches involving the use of omics analysis. In some cases, prediction of the danger could be realized with QSAR approaches, or the construction of AOP. It is also necessary to determine the methods of analysis of these nanomaterials in the ambient air, which collection techniques, and the appropriate analytical techniques to render the result within a timeframe relevant to the needs of public health or occupational health. Some known exposures to these nanomaterials, and the data from available epidemiological studies will also be discussed. Finally, prediction tools will be also presented and their capacity to detect the danger or some nanomaterials will be discussed.

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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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