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Toxicity and Mechanisms of Occupational and Environmental Pollutants

Guest Editors:

Dr. Zhangjian Chen

1. Department of Occupational and Environmental Health Sciences, School of Public Health, Peking University, Beijing 100191, China

2. Beijing Key Laboratory of Toxicological Research and Risk Assessment for Food Safety, School of Public Health, Peking University, Beijing 100191, China

Prof. Dr. Guang Jia

Department of Occupational & Environmental Health Sciences, School of Public Health, Peking University, Beijing 100871, China

Deadline for manuscript submissions:
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Message from the Guest Editors

Titanium dioxide (TiO₂) is a white, powdered metal compound with strong chemical inertness and has been widely used in food, coatings, cosmetics, textiles, paper, and plastic products. Titanium dioxide nanoparticles (TiO₂ NPs) refer to particles with at least one dimension between 1 and 100 nm in three-dimensional space. They can invade the human body through many ways, such as entering the body through the mouth with food additives or drugs, invading the damaged skin with cosmetics, and entering the body through the respiratory tract during the process of production and handling. Because of their stable and insoluble characteristics, TiO₂ NPs are also easy to accumulate in the environment and cause environmental exposure to the human body through drinking water, flora and fauna, and so on. Therefore, the potential toxicity of TiO₂ NPs deserves attention.

The aim of this Special Issue is to publish research on potential toxic effects of titanium dioxide nanoparticles exposure on human health and the impact on the environment. Reviews summarizing relevant recent advances are also welcome.



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Special Issue



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Editor-in-Chief

Dr. Demetrio Raldúa

Department Environmental
Chemistry, IDAEA-CSIC, Jordi
Girona 18, 08034 Barcelona,
Spain

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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Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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