Special Issue

Toxicity and Mechanisms of Occupational and Environmental Pollutants

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.

Guest Editors

Dr. Zhangjian Chen
School of Public Health, Peking University, Beijing, China

Prof. Dr. Guang Jia
School of Public Health, Peking University, Beijing 100871, China

Deadline for manuscript submissions

closed (30 August 2023)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/128709

Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

mdpi.com/journal/toxics

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/toxics

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.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).