

Special Issue

Toxicity and Human Health Assessment of Air Pollutants

Message from the Guest Editors

Air pollution has been shown to be responsible for the morbidity and mortality of a variety of major diseases. To date, however, the key constituents of air pollution which impact health and the potential mechanisms remain largely unstudied. In addition, comprehensive assessments of evidence from in vitro and in vivo studies, high-quality cohort studies, and high-resolution model simulations of health impacts are still substantially sparse. Hence, assessing the health risks, identifying the toxic effects, and elucidating the underlying mechanisms are of great importance. In the Special Issue “Toxicity and Human Health Assessment of Air Pollutants”, we aim to present a collection of original articles or reviews on the following topics:

- Exposure assessment in the locality, region, and microenvironments impacted by ambient air pollution.
- Identification of the key constituents of air pollution which impact health.
- Evaluation of the toxic mechanisms and signal pathways of air pollutants.
- Assessing and modeling the effect of air pollution on health risk.
- Development of novel methodologies for assessing the toxicity and health effects of air pollutants.

Guest Editors

Dr. Ting Wang

Dr. Tingting Ku

Dr. Jia Xu

Deadline for manuscript submissions

closed (30 September 2024)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/180913

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

[mdpi.com/journal/
toxics](https://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](https://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).