

Special Issue

Source, Formation, Environmental Impact, and Health Effect of Air Pollution

Message from the Guest Editors

Air pollution is a major environmental risk to human health and ecosystems. Air pollutants can be either natural or human-made, in the form of solids, liquids, or gases. According to the World Health Organization, there are six major air pollutants, including particle matter, ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, and lead. Long- and short-term exposure to air pollution has a different toxicological impact on humans. To mitigate air pollution, it is critical to understand both the source and fate of pollutants in the atmosphere. Additionally, the atmospheric deposition of pollutants can lead to negative effects on the main ecosystem services provided by terrestrial plants, such as biodiversity conservation, production of food, and carbon sequestration. Manuscripts submitted to this Special Issue may include but are not limited to the following:

- Observations and modeling of air pollutants at local to global scales;
- Physical and chemical characteristics of air pollutants and their relationships with meteorology;
- Emission, transport, transformation, and deposition of air pollutants;
- Impacts of air pollution on human health and the ecosystem.

Guest Editors

Dr. Yucong Miao

Dr. Xiaolan Li

Dr. Qi Hu

Dr. Cheng Liu

Deadline for manuscript submissions

closed (10 July 2023)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/148423

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 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).