



toxics



an Open Access Journal by MDPI

The Evolution of Atmospheric Composition and Its Impact on Human Health and Ecosystem

Guest Editors:

Prof. Dr. Gen Zhang

Chinese Academy of
Meteorological Sciences, Beijing,
China

Dr. Yan Yan

Nation Climate Center, China
Meteorological Administration,
Beijing, China

Dr. Kunpeng Zang

Zhejiang Carbon Neutral
Innovation Institute, Zhejiang
University of Technology,
Hangzhou 310014, China

Deadline for manuscript
submissions:

closed (31 March 2025)

Message from the Guest Editors

Dear Colleagues,

The atmospheric composition, including trace gases and aerosols in high concentrations, not only affects the regional atmospheric environment, but also threatens human health and the ecosystem. Multiple national governments take actions to protect the ozone layer and mitigate air pollution under a series of international agreements, such as the Montreal Protocol and Paris Agreement. Asia, as an intensive source of air pollution, has continuously received increasing attention. In addition, air pollution in Asia has worldwide consequences through long-range transport, climate change, and its interaction with the other regions. Thus, this Special Issue focuses on changes in atmospheric trace gases and aerosols in terms of their emissions, composition and physicochemical properties, as well as their consequent impacts on human, the climate and the ecosystem in Asia under the latest international agreement. Specifically, manuscripts related to novel detection methods, field measurements, and improved numerical simulations for these species are especially welcome.



mdpi.com/si/193326

Special Issue



toxics



an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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)

Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxics
toxics@mdpi.com
X@@Toxics_MDPI