

Special Issue

Environmental Monitoring and Health Risk Assessment of Traffic-Related Air Pollution

Message from the Guest Editors

Air pollution is a global health crisis, with traffic-related air pollution (TRAP) being a major contributor. TRAP is a complex mix of pollutants—fine and ultrafine particulate matter (PM_{2.5}, PM₁₀, black carbon), nitrogen oxides (NO_x), and volatile organic compounds (VOCs)—emitted from vehicle engines and road dust, which contribute to the formation of secondary pollutants like ground-level ozone. Exposure to these emissions is linked to respiratory and cardiovascular diseases, cancer, adverse birth outcomes, and neurological effects. This Special Issue aims to advance the understanding of TRAP, with an emphasis on cutting-edge methods for measuring traffic-related pollutants; high-resolution mapping of pollution and exposure; innovative approaches to linking TRAP to health outcomes; and methodologies for assessing the disease burden attributable to traffic emissions. We also seek studies that integrate environmental monitoring with health data, including clinical, epidemiological, and public health datasets.

Guest Editors

Dr. Huanbo Wang

Dr. Tingting Huo

Dr. Li Zhou

Deadline for manuscript submissions

20 November 2025



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/241826

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).