

Special Issue

Innovative Air Pollution Measurements, Characterization and Source Apportionment

Message from the Guest Editor

The occurrence, transport and fate of atmospheric pollutants is an ongoing concern due to their subsequent effects on the environment, climate and health. The need to develop innovative instrumentation, analytical techniques and source apportionment (SA) methodologies to better characterize the concentration levels of toxic species or their proxy, their temporal and spatial variability as well as their sources is therefore critical to better mitigate their impact in indoor and outdoor environments. This Special Issue aims at addressing one or more of these aspects in an original and innovative way through high-quality research papers, short communications and reviews. Both online and offline approaches for measuring toxic substances in the gas phase or particulate matter constituents (including but not limited to metals), measuring remotely or in situ, from the local to the global scale are welcomed. Manuscripts on advanced source apportionment (e.g. rolling Positive Matrix Factorization, size-segregated SA, machine-learning, etc.) will also be collected in this Special Issue. I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)



Toxics

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Impact Factor 4.1
CiteScore 7.8
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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

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Author Benefits

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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).