

Special Issue

Effects of Exposure to Air Pollution on Respiratory Health

Message from the Guest Editor

Respirable particulate matter (PM) has been regarded as a “criteria air pollutant”, along with carbon monoxide, ground level ozone, fine- and ultra-fine particulate matters, diesel/biodiesel particles, metal particles (lead, palladium, etc.), nitrogen dioxide, and sulphur dioxide. The source of air pollution is two pronged—outdoor and indoor air pollution. Epidemiological evidence indicates the association of chronic respiratory diseases like asthma and chronic obstructive pulmonary disease (COPD) to ambient PM exposure.

Therefore, this Special Issue will cover the most recent research on air pollution related respiratory diseases:

Respiratory toxicity following exposure to air pollutants.

Outdoor and indoor air quality monitoring: special focus on LMIC.

Gender perspective air pollution (indoor and outdoor) mediated respiratory adverse outcome pathways.

Acute and repeated exposure to ambient gaseous and particulate matters using advanced/physiologically-relevant in vitro models.

Air pollutant and molecular pathogenesis for COPD onset: in vivo to human study.

Guest Editor

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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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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).