



*toxics*



an Open Access Journal by MDPI

## Effects of Exposure to Air Pollution on Respiratory Health II

Guest Editor:

### **Dr. Swapna Upadhyay**

IMM: Institute of Environmental  
Medicine, Unit of Integrative  
Toxicology, Karolinska Institutet,  
SE-171 77 Stockholm, Sweden

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### **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.

Impact of air pollution on the lung microbiome.



[mdpi.com/si/135953](https://mdpi.com/si/135953)

# 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](#), [CAPus / 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](http://www.mdpi.com)

[mdpi.com/journal/toxics](http://mdpi.com/journal/toxics)  
[toxics@mdpi.com](mailto:toxics@mdpi.com)  
X@@Toxics\_MDPI