

## Special Issue

# Update Reproductive Toxicology Research Associated with Air Pollutions

### Message from the Guest Editor

Recent findings have demonstrated an association between exposure to air pollutants and an increased risk of developing preeclampsia (PE). Preeclampsia is a leading cause of maternal and perinatal morbidity and mortality, responsible for about 18% of all maternal deaths and up to 40% of neonatal deaths. Recent findings have demonstrated an association between exposure to air pollutants and an increased risk of developing PE. Evidence indicates that exposure to pollutants in general and air pollution specifically induces oxidative stress and consequently inflammation. Furthermore, exposure to PM is associated with mitochondrial oxidative DNA damage both in normal state and in pregnancy, resulting in increased systemic oxidative stress in blood and placenta. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following theme: air pollution and environmental toxins in relation to placental function, pregnancy outcomes, long-term maternal and fetal morbidity. The articles may span from molecular to epidemiological aspects of the main theme.

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### Guest Editor

Prof. Dr. Stefan Hansson  
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### Deadline for manuscript submissions

closed (30 April 2024)



## Toxics

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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.

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### Editor-in-Chief

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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 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).