

Special Issue

Prenatal Exposure to Environmental Pollutants: Effects on Fetal Development, Birth Outcomes and Children's Health

Message from the Guest Editors

Prenatal exposures are especially concerning because of the rapid development and growth and increased sensitivity and vulnerability of the developing fetus. Prenatal exposure to heavy metals, organic chemicals and compounds, and pesticides can disrupt processes involved in cellular and organ development, affecting a host of maternal–child adverse health concerns including cardiovascular, metabolic, neurological, respiratory, and reproductive outcomes. Environmental pollutants may act on molecular pathways, disrupting normal function as signaling chemicals such as hormones, or may interact with non-chemical stressors, impacting prenatal health and birth outcomes. This Special Issue focuses on our current understanding as well as gaps in our knowledge and evidence base with respect to prenatal exposure to environmental pollutants and their adverse effects on fetal development, birth outcomes, and children's health. The Special Issue will feature scientific advances across the research continuum. Prof. Dr. Jeffrey K. Wickliffe
Prof. Dr. Maureen Y. Lichtveld
Dr. Hannah H. Covert

Guest Editors

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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 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).