



*toxics*



an Open Access Journal by MDPI

## Developmental Environmental Exposures, Epigenetics and Long-Term Health

Guest Editor:

**Dr. Laurie Svoboda**

Department of Environmental  
Health Sciences, University of  
Michigan School of Public Health,  
Ann Arbor, MI 48109-2029, USA

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

Developmental exposures linked to adverse health effects include heavy metals, endocrine disruptors, air pollutants and radiation. Normal development is governed by widespread epigenomic reprogramming in the somatic cells and primordial germ cells of the developing embryo. This reprogramming includes changes in DNA methylation, DNA hydroxymethylation, chromatin modification/structure, and expression/function of noncoding RNAs. The effects of environmental agents on epigenomic programming during critical periods of development, and the implications these changes have for health across the lifespan, are incompletely understood.

In this Special Issue, we invite contributions that address these important research questions. These include mechanistic studies conducted in a variety of models, as well as human epidemiologic studies. Of particular interest are studies that address the sex-specific effects of developmental environmental exposures on the epigenome and health.



[mdpi.com/si/48817](https://mdpi.com/si/48817)

# 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 - Q2 (*Chemical Health and Safety*)

## Contact Us

---

*Toxics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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