Special Issue

Developmental Toxicity Mechanism of Emerging Contaminants (ECs)

Message from the Guest Editor

Developmental periods are critically sensitive to environmental insults. The fidelity of these processes is easily compromised by exogenous agents, with Emerging Contaminants (ECs) posing a significant and escalating threat. ECs are frequently detected in various environmental matrices, and they can disrupt intricate developmental processes, leading to long-lasting adverse effects. This Special Issue aims to significantly advance the field, providing essential insights for improved risk assessment, regulatory decisions, and public health protection against the threats posed by emerging contaminants. We welcome submissions of high-quality original research and comprehensive reviews. Topics of interest include, but are not limited to, the following

- Investigating molecular and cellular mechanisms, such as endocrine disruption, epigenetic modifications, oxidative stress, and specific signaling pathway alterations;
- Establishing links between maternal or early-life exposure to ECs and adverse outcomes like congenital diseases, impaired fetal growth, and neurodevelopmental disorders;
- Developing innovative protective, remediation, or intervention strategies to mitigate these toxic effects.

Guest Editor

Prof. Dr. Xiaoli Xie

Department of Toxicology, School of Public Health, Southern Medical University, Guangzhou, China

Deadline for manuscript submissions

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Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

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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

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

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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).