

Special Issue

Effects and Mechanism of Endocrine Disruption and Reproductive Abnormality of Emerging Pollutant

Message from the Guest Editors

Endocrine-disrupting chemicals (EDCs) are widespread exogenous chemicals that can interfere with hormone action and increase the adverse health risks of organisms, including endocrine system disruption, reproductive abnormalities, and developmental impairment.

The Special Issue focuses on understanding the mechanisms of EDCs' actions regarding health effects via *in vitro*, *in vivo*, and *in silico* studies, including original articles or reviews. Topics include, but are not limited to, the following examples:

- (1) investigations of the endocrine disruption or reproductive abnormality of EDCs at various biological levels from molecular mechanisms to health impacts;
- (2) the determination of the level or dose of EDCs that can induce endocrine disruption;
- (3) toxicity predictions and mechanism analyses of EDCs utilizing integrated methods of computational toxicology, including molecular simulations and machine learning;
- (4) the screening and validation of the key biomolecules of EDC-induced toxic effects based on multi-omics technology; and
- (5) nuclear receptor-mediated adverse outcomes.

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.

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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).