

Special Issue

Caenorhabditis elegans as a Test Model in Environmental Toxicology

Message from the Guest Editors

This Special Issue aims to assemble pioneering research exploring the range of uses of *C. elegans* within the broad field of environmental toxicology including its use for the rapid screening of the toxicity of chemicals found within the environment. Topics of interest include, but are not limited to, the following:

- Studies using *elegans* to assess the environmental impact of chemical exposures in a field setting using standardized protocols;
- Linking laboratory toxicity studies with higher tier studies (e.g., microcosms) or field studies;
- Mechanistic studies using *elegans* to assess environmental toxicant-induced disruptions;
- Studies exploring new exposure methods for using *elegans* in environmental toxicology, including high-throughput screening, automated phenotyping, and CRISPR-Cas9 gene editing;
- Comparative toxicology and the cross-species relevance of findings with *elegans*;
- Toxicity studies for new, emerging substances (e.g., microplastics, PFAS, nano-pesticides), exploring various toxicity mechanisms;
- Exploring the influence of confounding environmental factors (e.g., climate change) on the outcome of toxicity studies with *C. elegans*.

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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