

Special Issue

Ecotoxicological Effects of Anthropogenic Contaminants in Aquatic Organisms—2nd Edition

Message from the Guest Editors

This Special Issue focuses on the ecotoxicological impacts of anthropogenic contaminants on aquatic organisms, highlighting the complex interplay between pollutants and biological systems. Its scope encompasses molecular, cellular, and organismal levels of biological organization to provide a holistic understanding of contaminant-induced effects. It aims to bridge gaps in the existing literature by emphasizing under-represented species, particularly invertebrates and lower vertebrates, whose responses to pollutants remain underexplored. Studies regarding the effects on plants irrigated with contaminated water are equally welcome. We seek contributions examining gene expression changes, epigenetic modifications, and alterations in signaling pathways and receptor interactions caused by contaminants. Research addressing behavioral disruptions as biomarkers of environmental toxicity is also encouraged. This Special Issue will contextualize findings within broader ecotoxicological paradigms by incorporating diverse methodologies and model systems, offering novel insights into mechanistic pathways and adaptive responses.

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 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).