Special Issue

Eco-Environmental Risks of Emerging Pollutants and Their Relationships with Climate Change

Message from the Guest Editors

This Special Issue invites a broad range of theoretical, systematic, and technical analyses with respect to the following key areas:

- Microbial responses to emerging pollutants under climate change: Studies should investigate how emerging pollutants such as microplastics and PFAS impact microbial communities in diverse environments, such as soil, water, and sediments. Research should examine how these impacts disrupt ecosystem processes, including nutrient cycling and greenhouse gas emissions.
- Interactions between emerging pollutants and climate-induced environmental stressors: Research should explore how climate-induced changes, such as increased temperatures and altered precipitation patterns, affect the behavior and toxicity of emerging pollutants such as antibiotics and nanomaterials. This includes assessing their subsequent effects on environmental and human health risks.
- Impact of emerging pollutants on biogeochemical cycles: This includes examining how emerging pollutants influence microbial-mediated processes such as nitrification, denitrification, and carbon mineralization, and their overall impact on carbon and nitrogen cycles.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2025)

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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

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