

Special Issue

From Low Tier to Individual Effects of Emerging Pollutants: Integrative Approaches on Ecotoxicological Assessments

Message from the Guest Editors

The way in which toxicological assessments are currently performed (mainly focusing on apical endpoints, such as survival) is becoming considered inefficient and is overdue for change. The first response barriers to anthropogenic stress are triggered at the sub-cellular level and are far more likely to occur and have severe consequences for an organism's fitness and on the ecosystem. Used in an integrated approach through different biological levels, subcellular endpoints can actively support a more realistic and meaningful assessment of the impacts of pollutants. This Special Issue will explore the role of an integrative evaluation of effects in non-target organisms, with a particular focus on emerging pollutants. Submissions of original research articles, case studies and up-to-date review papers on integrative ecotoxicological approaches combining individual level endpoints (e.g., survival, growth and behaviour) with biochemical (e.g., oxidative stress and damage) and/or molecular (e.g., gene expression and protein abundance) endpoints are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



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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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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).