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Tackling Complexity: Transport, Fate, Exposure, and Prioritization for Organic Contaminants in Complex Mixtures

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Message from the Guest Editors

Organic contaminants nearly always present as a component of complex mixtures. Research is ongoing to provide advanced (bio)analytical techniques to assess complex mixture composition and provide toxicity/risk assessment information for chemical prioritization and rapid decision making. Studies aiming to provide comprehensive characterization of mixtures use a wide range of innovative lab-based, field-based, and in silico approaches to describe mixtures at the whole or fractionated level and identify contaminants that drive ecological and human health risk.

Deadline for manuscript
submissions:

closed (1 November 2021)

In this Special Issue, we will present the current state of science related to understanding the fate and transport of complex mixtures in environmental systems, exposure of humans and ecological receptors to these mixtures, and strategies to identify compounds that should be prioritized as primary drivers of risk. Original research articles and reviews are welcome. Articles describing the use of innovative workflows to prioritize contaminants based on occurrence, effects, or predicted risks, and articles demonstrating the fractionation of complex mixtures among environmental and biological compartments, are especially welcome.



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Special Issue



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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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