Special Issue

The Environmental Fate and Transport of Organic Pollutants

Message from the Guest Editor

Organic pollutants are widely present in the environment, posing significant threats to human health and ecosystems. Trace organic pollutants in urban wastewater are difficult to completely remove through conventional biochemical treatment processes and will inevitably enter receiving water bodies, thereby threatening water quality. Therefore, it is crucial to conduct advanced treatment of biochemically treated effluents, such as using advanced oxidation processes to remove trace organic compounds from the effluents, and investigate the transformation behavior and toxicity risks of these pollutants in water. However, the transformation mechanisms, kinetics, and influencing factors of trace organic pollutants in biochemically treated effluents remain insufficiently understood. This Special Issue aims to provide a comprehensive overview of the current state of knowledge in our field, highlighting research gaps and paving the way for innovative solutions. It is not only an opportunity for us to contribute to the scientific community but also a platform to showcase our collective dedication to pushing the boundaries of understanding in this vital area of study.

Guest Editor

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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