



Contaminants of Emerging Concerns in the Water Environment: Sources, Fates, and Toxicity

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Message from the Guest Editors

Contaminants of emerging concerns (CECs), such as antibiotics, hormones, personal care products (PCPs), endocrine-disrupting compounds (EDCs), pharmaceuticals (PhACs), per- and polyfluoroalkyl substances (PFASs) and their transformation products, that occur at trace levels in treated wastewater is of concern for human health and the aquatic ecosystem.

Due to the rapid development of CECs in the environment, implementing cost-effective and sustainable detection, risk assessment, and removal programs for all these elements is difficult. In the meantime, CECs have become a challenge in sustainable water management, where climate change and population growth exacerbate water source issues.

The aim of this Special Issue is to bring together recent research and reviews on CEC-related research advancements in the water environment including their occurrences, fate and transport behaviour, as well as discussions around the toxicity level of CECs. We also encourage the submission of research needs and toxicological studies that implement efficient and ecological methods for their removal, which help to control CECs in freshwater ecosystems.





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Message from the Editor-in-Chief

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