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Integrated Modeling of Emerging Contaminants in the Surface Water: Monitoring, Projections and Risk Analysis

Guest Editor:

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Message from the Guest Editor

Among the multitude of pressures introduced by human activities, special attention needs to be given also to the fate of a vast number of chemical products: from pharmaceuticals and personal care products to pesticides, manufactured nanomaterials, microplastics and other products that are used daily and that will be created in the near future. Understanding how these emerging contaminants move in surface waters is a fundamental step to predict their fate and advance methods and approaches used for estimating the hazards due to their exposure. The aim of the Special Issue is to improve existing modeling approaches by combining them with monitoring measurements in order to quantitatively predict their fate and improve the approaches and methods used for assessing risks. We are particularly interested in receiving manuscripts that review experimental, theoretical and computational studies.[...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/modeling_emerging_contaminants



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Special Issue



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Message from the Editor-in-Chief

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.

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