



Emerging Organic Contaminants in Water Ecosystems

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Since the end of the 20th century, the very fast development of mass spectrometric techniques hyphenated to liquid chromatography opened the possibility to explore the fate and distribution of new classes of polar, and not yet regulated, compounds, which were collected under the generic name of emerging contaminants. After about twenty years of studies, we need to point out the status of the research in this field. This Special Issue aims to cover the most recent achievements in the field of analytical methods for the determination of emerging contaminants in the different aquatic matrices; their fate and distribution in the aquatic ecosystems including bioaccumulation in biota; their effects on aquatic ecosystems at different levels. The evidence of the wide occurrence of many classes of emerging compounds, such as pharmaceuticals, personal care products, perfluorinated compounds, siloxanes, in the aquatic environment and the risks connected with their presence made urgent to develop treatment methods and derive environmental quality standards or threshold values for surface, ground and drinking waters in order to manage the problem.





water



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Message from the Editor-in-Chief

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