

Special Issue

Emerging Organic Contaminants in Water Ecosystems

Message from the Guest Editors

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.

Guest Editors

Dr. Stefano Polesello

Dr. Luisa Patrolecco

Dr. Nicoletta Ademollo

Dr. Sara Valsecchi

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
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(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

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