Special Issue

Detecting Chemicals in Water Environment with Mass Spectrometry

Message from the Guest Editors

Environmental monitoring is necessary to understand the effects that human activities (industry, agriculture, aquaculture) have on research fields such as water and soil quality. Endogenous and exogenous organic chemicals in the form of emerging pollutants, dissolved organic matter and biochemical compounds are key factors for monitoring and evaluating the quality of the environment. Due to its sensitivity and selectivity, mass spectrometry (MS) has excelled in the detection of organic chemicals. Advances in sample preparation and the combination of chromatographic techniques have significantly improved MS capabilities over the past decades. However, a series of analytical challenges (detection levels and complicated matrices) still hinders the scientific community's ability to fully understand the transportation and fate of organic chemicals in the environment. The aim of this Special Issue is to bring together relevant research on the detection of organic chemicals in different water environments (natural waters, tap water, wastewater ...) and their biological matrices (blood, tissue...).
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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

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