Special Issue

Risk Assessment of Pollutants in Aquatic Environment

Message from the Guest Editors

Many chemicals are used in, and directly or indirectly released from, processes and products that are essential for human health, nutrition, and wellbeing. These include substances such as pharmaceuticals, personal care products, radionuclides, macronutrients such as phosphorus and nitrogen, trace elements, particulates, and other organic and inorganic compounds. However, these chemicals and their breakdown products have hazardous properties that can pose a risk to the aquatic environment, ecosystem services, and human health. Risk assessments, based on fundamental knowledge of transport, fate, exposure and effects, are essential for safe chemical use and release. This Special Issue aims to collect insightful reviews and research articles on integrated long-term monitoring, residue analysis, laboratory and field experimentation, and multiscale modelling of chemicals in the environment. Focussing on priority and newly emerging pollutants, studies on the development of new approaches and tools for hazard screening, risk assessment, and source apportionment for emergent technologies are particularly welcome.

Guest Editors

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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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