

Special Issue

Environmental Fate of Contaminants in the Aquatic Environment

Message from the Guest Editor

Freshwater aquatic ecosystems are a small fraction of the overall water on the planet, and for this reason they are a precious resource for both terrestrial and aquatic organisms. However, these water ecosystems are chronically subjected to a multiple contamination by various point and diffuse industrial, urban, and agricultural sources. A cocktail of regulated hazardous chemicals (e.g., pesticides, hydrocarbons, heavy metals, surfactants), commercial products, and emerging contaminants (e.g., nanoparticles, pharmaceuticals, personal care products, micro(nano)plastics) reach freshwater and can have detrimental effects on the structure and functioning of ecosystems and human health. This Special Issue welcomes research papers dealing with chemical, microbiological, ecological, and ecotoxicological approaches for assessing the presence of regulated and emerging contaminants and their effects from their sources (e.g., urban- and agro-ecosystems, industrial sites, landfills) to water ecosystems. Keywords: water and soil contaminants; persistence and pseudo-persistence; chemical mixture; effects; community structure and functioning; biodegradation; bioremediation

Guest Editor

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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

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