

Special Issue

Contaminants in Aquatic Systems: Biogeochemical Processes, Ecological Impacts

Message from the Guest Editors

Lakes, reservoirs, rivers, wetlands, and estuarine systems are increasingly affected by diverse environmental contaminants. In addition to traditional pollutants like heavy metals, emerging contaminants such as per- and polyfluoroalkyl substances (PFAS), pharmaceuticals, and other persistent organic pollutants (POPs) in personal care products raise concerns due to their persistence, bioaccumulation, and ecological and human health risks. These pollutants threaten water quality, biodiversity, and ecosystem services. This Special Issue aims to enhance understanding of contaminant behavior in aquatic ecosystems and support science-based solutions for their protection. We invite original research, reviews, and case studies on the sources, distribution, transport, transformation, and fate of contaminants. Studies on contaminant interactions with sediments or biota, ecological and health impacts, and novel analytical or modeling approaches are welcome. We also encourage contributions addressing multiple stressors and redox-driven processes.

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

Dr. Jean-Luc PROBST

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