

Special Issue

Water Quality and Contaminant Transport in Aquatic Environments

Message from the Guest Editor

Increased industrialization and population growth have substantially enhanced the demand for sustainable water supplies. A large number of inland and coastal waters, particularly those located in the vicinity of urban areas, suffer from contamination due to anthropogenic activities. Therefore, the development of technologies for more rigorous water quality monitoring and application methodologies for accurate modeling of the fate and transport of contaminants in aquatic environments are of paramount importance. This Special Issue aims to present a collection of experimental, computational, and monitoring studies pertaining to the physical, chemical, and biological processes influencing the fate and transport of anthropogenic and naturally occurring contaminants in aquatic environments. Particular emphasis is placed on studies investigating the bioaccumulation, degradation, partitioning, and transformation of both legacy and emerging contaminants as well as fieldwork and modeling studies characterizing the mixing and transport processes in water bodies and their interactions with atmosphere and sediments.

Guest Editor

Dr. Ali Saber

Department of Physical and Environmental Sciences, University of Toronto, 1065 Military Trail, Toronto, ON M1C 1A4, Canada

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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

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