

Special Issue

Trophic Chain Transfer of Contaminants in Aquatic Environments during the Global Change

Message from the Guest Editors

Presence of contaminants in water environments is increasingly being reported all over the world. While contamination by “old” classes of substances and trace elements is relatively under control in most areas of the world, new generation compounds in non-negligible numbers are fastly released into aquatic environments of industrialized countries, even when regulations for their characterization and discharge (such as REACH in Europe) exist. This poses severe control problems also in terms of legislation processes aimed at controlling their use and spread. Once released into the environment, contaminants are seized through the food web; level of contamination of the different components varies depending on physiology and on ecological role of organisms. Lipophilic compounds tend to accumulate at the higher levels of the trophic web, and in larger-sized organisms, such as fish, therefore proving to be potentially harmful also for human consumption and human health. [...] For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Contaminants_Aquatic_Environments

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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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