Special Issue

Contaminants and Microbes in Marine, Lake and River Ecosystems under a Climate Change Scenario

Message from the Guest Editors

Aquatic ecosystems, apart from their bacterial and algal populations, contain fungal, protozoan, and viral populations, which interact and contribute to the functioning of the food web. Therefore, new research efforts are aimed at improving our knowledge of the overall aquatic ecosystem responses to pollution occurrence, food web accumulation, and effects under a climate change scenario. In accordance with these ideas, this Special Issue aims to present new research to advance our knowledge on all the aspects related to the proposed subject. Specifically, the topics of interest include but are not restricted to:

- Emerging and legacy pollutant analyses: occurrence and distribution of selected contaminants in water column and sediment;
- The role of the microbial community in transferring pollutants to higher trophic levels: to elucidate drivers and followers in this process and identify key-species for contaminant turn-over and accumulation;
- Dynamics of natural microbial communities: to distinguish microbial community structure and function spatial and temporal changes;
- Dynamics of contamination in polar and temperate aquatic ecosystems.

Guest Editors

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Deadline for manuscript submissions

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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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