

Special Issue

Integrated Water Cycle: Impact of Treated Wastewater on Water Quality and Human Health Risks

Message from the Guest Editors

The aim of this Special Issue is to bring together the results of researches on the chemical and microbiological contamination of treated wastewater that cause particular concern for human health.

Chemical contaminants of interest are as follows:

- Priority pollutants (PAHs, PCBs, etc.), heavy metals, pesticides, etc.
- Contaminants of emerging concerns (CECs), such as antibiotics, hormones, personal care products (PCPs), endocrine-disrupting compounds (EDCs), pharmaceuticals (PhACs), per- and polyfluoroalkyl substances (PFASs), microplastics, etc.

Microbiological contaminants of interests are as follows:

- Pathogenic microorganisms, including bacteria, viruses, and parasites, that can pose significant risks to human health.

Moreover, antimicrobial resistance studies are considered of interest to this Special Issue (antibiotic-resistant bacteria (ARB), antibiotic-resistant genes (ARGs)). Contributions may include the following topics:

- Identification and monitoring of chemical and microbiological contaminants in treated wastewaters;
- Method development for the detection of chemical and microbiological contaminants in treated wastewaters.

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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