

Special Issue

Aquaculture Tailwater Treatment: Theoretical Foundations and Applied Techniques

Message from the Guest Editor

The strategic implementation of water utilization has substantially advanced the green and sustainable development of aquaculture, securing a globally resilient supply of blue food. Research on treatments for aquaculture tailwater and aquatic environmental protection has garnered consistent attention from the global scientific community and aquaculture industry in recent years.

This Special Issue of *Water* invites submissions comprising original research and critical reviews addressing the fundamental science and applied technologies of aquaculture tailwater treatment. The scope of this Special Issue includes but is not limited to aquaculture effluent discharge patterns and characteristics; comprehensive mechanisms of nitrogen and phosphorus removal technologies; novel reactor design and advanced materials; the development of high-efficiency, low-consumption tailwater treatment technologies; resource-oriented utilization technologies and pathways for effluent recycling; intelligent management systems for tailwater treatment; and the system integration and regional adaptability of treatment technologies.

Guest Editor

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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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