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Recent Advances in Water Contamination, Fisheries and the Environment for Sustainable Aquaculture

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Message from the Guest Editors

Dear Colleagues,

Aquaculture is the fastest-growing food-producing sector globally, and is crucial in meeting the growing demand for seafood; however, the expansion of aquaculture has also resulted in environmental concerns, including water contamination and impacts on wild fish populations. Advances in water contamination, fisheries, and environmental management can reduce the environmental impact and promote sustainable aquaculture practices. For example, real-time water quality monitoring technologies enable the optimization of aquaculture operations, prevent water contamination, and minimize the environmental impact of aquaculture. The aquaculture industry can have an impact on wild fish populations by using wild fish as feed or if farmed fish escape into the wild. Conservation and management efforts, such as sustainable fishing practices and habitat restoration, can help protect wild fish populations and promote the sustainability of the aquaculture industry. By using these practices, the aquaculture industry can minimize its environmental impact, promote sustainable practices, and meet the growing demand for seafood responsibly and ethically.

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Message from the Editor-in-Chief

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