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Aquaculture: Balance among Environmental Impact, Sustainability, Safe and Nutritious Seafood

Guest Editor:

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Deadline for manuscript submissions:
closed (30 November 2020)

Message from the Guest Editor

In the last four decades, the farming of aquatic organisms has been the agro-industrial activity with the highest growth rate worldwide. Aquaculture provides highly nutritive food, because of their high nutritional value, mostly characterized by the presence of bioactive compounds (polyunsaturated fatty acids, essential amino acids, high quality proteins, minerals, proteins, etc.), which have many human health benefits.

Despite the undeniable benefits of aquaculture, aquaculture activity is one of the most criticized worldwide, mainly because of the environmental impacts that have been or can be caused. Aquaculture produces large amounts of waste in the form of fecal matter and unused feed. These largely nitrogen-based wastes can cause oxygen depletion in coastal environments with a reduction of marine productivity in certain coastal areas. Moreover, a wide array of chemicals is used in aquaculture: antifoulants that contain biocides and pesticides, antibiotics, anaesthetics, hormones, and algicides. [...]

For further reading, please follow the link to the Special Issue Website at:
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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.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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