

Special Issue

Sustainable Transformation of Aquaculture in Marine Environments

Message from the Guest Editor

The global trends towards adapting to increasing food demand by producing and using less resources under climate pressures, such as long-term marine heat waves, requires a total “re-engineering” of the marine aquaculture sector. Sustainable blue growth constitutes an emergency. Blue growth incorporates aquaculture as the major source for food production. Marine aquaculture has to grow in the forthcoming decades to cover the emerging demand for healthy and nutritious protein resources as a potential response to the global population’s explosion. However, this effort has to be adapted to the new pressures generated from climate change and resource limitations. Aquaculture has to be aligned with the “Green Deal”, especially in the EU, by “re-engineering” the whole industry processes in marine environments. “Transformation” of marine aquaculture practices is the objective of the present Special Issue, focusing on achievements that minimize the environmental footprint based on the circular economy principles along the marine farming value chain.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2025)



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 6.0



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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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