

Special Issue

Farming the Blue: The Sustainability of Aquaculture and the Marine Environment

Message from the Guest Editors

With global fisheries in decline and seafood demand rising, aquaculture has emerged as a key solution. However, its rapid growth—especially intensive coastal and offshore farming—has led to pollution, excessive pharmaceutical use, and disease outbreaks. Combined with climate change, these issues threaten both aquaculture and marine ecosystems. Sustainable growth requires innovative practices and technologies that reduce environmental impacts, supporting a shift toward responsible “blue farming.” This Special Issue, **“Farming the Blue: The Sustainability of Aquaculture and the Marine Environment,”** promotes interdisciplinary research across natural sciences, engineering, economics, and social sciences. We seek studies that enhance understanding, prediction, and management of aquaculture’s environmental sustainability. We welcome research and reviews on sustainable techniques, ESG practices, Integrated Multitrophic Aquaculture (IMTA), circularity, energy efficiency, nutrient flow, carbon fixation, and mariculture systems, as well as innovative technologies, resource reuse, and links between aquaculture and the Sustainable Development Goals (SDGs).

Guest Editors

Prof. Dr. Marco Shizuo Owatari

Prof. Dr. Caio César França Magnotti

Prof. Dr. Aline Brum Figueredo Ruschel

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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