

## Special Issue

# Innovations in Sustainable Aquaculture and Blue Biotechnology for Environmental and Economic Resilience

### Message from the Guest Editors

Aquaculture remains one of the fastest-growing food sectors worldwide, playing a pivotal role not only in combating hunger but also in achieving several of the Sustainable Development Goals (SDGs) outlined in the 2030 Agenda. However, the adoption of sustainable practices that ensure environmental health—aligned with the One Health approach—is essential for maintaining aquaculture’s prominence in global food supply systems. At the same time, the oceans harbour an immense reservoir of microbial biodiversity, which holds significant potential for addressing longstanding challenges in aquaculture. The Special Issue main focal points include, but are not limited to, the following:

- Sustainable aquafeeds and resource optimization;
- Circular economy in aquaculture;
- One Health approach in Aquaculture;
- Microbial biotechnology in Aquaculture;
- Artificial intelligence (AI) and Internet of Things (IoT) application in precision aquaculture.

### Guest Editors

Dr. Carlos Yure B. Oliveira

Prof. Dr. Alfredo O. Gálvez

Dr. Jéssika Lima De Abreu

### Deadline for manuscript submissions

12 December 2025



**Sustainability**

an Open Access Journal  
by MDPI

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/234298](https://mdpi.com/si/234298)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### 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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)