

Special Issue

Strategies and Approaches for Improvement of Aquaculture

Message from the Guest Editors

At present, aquaculture is an extremely important industry worldwide. However, there have many challenges in the aquaculture industry, including disease, immune response, breeding process and physiology problems, which are affected by biological, technical, environmental and economic factors. Therefore, the aquaculture industry has developed a lot of innovation and technology. In this Special Issue, we offer a broad spectrum of reviews and original research contributions in the topic of novel strategies and approaches to improve the quality and value of fish and shellfish in aquaculture, with a particular emphasis on the marine biotechnological dimensions. The scope of this issue includes a control strategy for disease, potential breeding techniques, fish physiology and behavior, multi-omics approaches, and technological advances in big data and artificial intelligence. This Special Issue aims to be useful to the novel and emerging technology in aquaculture to improve the health and quality of aquatic animals and price integration, and thus enhance competitiveness and sustainability.

Guest Editors

Prof. Dr. Mingwei Lu

Department of Aquaculture, College of Life Sciences, National Taiwan Ocean University, Keelung 20224, Taiwan

Dr. Mi Zhao

Department of Chemistry, Temple University, Philadelphia, PA 19122, USA

Deadline for manuscript submissions

closed (29 July 2022)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/85813

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

mdpi.com/journal/

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





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)