

Special Issue

Advances in Bacterial Fish and Shellfish Diseases in Aquaculture

Message from the Guest Editor

Aquaculture of fish and shellfish has shown a significant worldwide expansion over recent decades. The increasing demand for marine and freshwater products associated with the growing world population has resulted in a decline in wild populations, making aquaculture a strategic sector for many countries. Unfortunately, its development has led to a higher incidence of disease caused by viruses and bacteria and, despite the efforts made, infectious outbreaks continue to occur. In that context, aquaculture that is safe for consumers, environmentally sustainable and economically viable must be developed from scientific knowledge. In this Special Issue, we invite you to send contributions focused on any biological aspect concerning some of the most important bacterial pathogens affecting cultured fish and shellfish, including but not limited to:

- The infection process
- Host–pathogen interactions
- The characterization of virulence factors
- Microbial ecology
- Diagnosis
- Treatment
- Vaccination
- Development of prevention strategies

Guest Editor

Dr. Miguel Balado

Instituto de Acuicultura, Universidade de Santiago de Compostela, Santiago, Spain

Deadline for manuscript submissions

closed (30 April 2022)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/70246

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

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





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for
Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).