# Special Issue

# Microbial Ecology and Sustainable Aquaculture

## Message from the Guest Editor

Globally, aquaculture provides more than half of the consumed fish and has been the fastest-growing protein-producing industry. However, the sector's growth must not come at the expense of the environment; hence, innovative practices are still needed to improve aquaculture sustainability. Recent advances in genomics and bioinformatics have begun unraveling microbial communities' role in animal production. In aquaculture, microbes determine the water quality and contribute to the cultured organisms' nutrition, growth, and health. The interplay between water parameters, the health of the cultured animal, and the presence of pathogens are vital for maintaining water quality, preventing disease, and improving output. This Special Issue of Microorganisms plans to collect recent research on microbial ecology and sustainable aquaculture. Original research articles and comprehensive reviews that cover aquatic microbes, microbial diversity, host–microbe interactions, and aquaculture sustainability are welcome.

## Guest Editor

Dr. Lior Guttman
Israel Oceanographic and Limnological Research, The National Center for Mariculture, Eilat 8811201, Israel

## Deadline for manuscript submissions

closed (15 June 2024)

**Microorganisms**

**an Open Access Journal by MDPI**

**Impact Factor 4.2**
**CiteScore 7.7**
**Indexed in PubMed**

mdpi.com/si/176512

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

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

# 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 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

MDPI