

Special Issue

Diversity, Phylogeny and Ecology of Marine Microorganisms

Message from the Guest Editors

Marine ecosystems among the most important ecosystems in the world, characterized by their unique biological communities and physical conditions. These ecosystems encompass various habitats, including estuaries, tidal flats, salt marshes, mangrove forests, coral reefs, pelagic ocean and deep sea.

Microorganisms including bacteria and archaea are essential for marine ecosystems and are responsible for the stabilization, ecological remediation and sustainable development of marine ecosystems. This Special Issue will discuss novel understanding of the diversity, phylogeny and ecology of marine microorganisms and lay the foundation for in-depth physiological, genetic and ecological studies and applications of marine microorganisms. Themes of research and review papers could include (but are not limited to) the following:

- Ecological drivers of microbial diversity in different marine ecosystems;
- The response of microbial communities to increasing anthropogenic influence and climate changes;
- Role of marine microorganisms and corresponding genes in biogeochemical cycles;
- Identification of novel marine microbial taxa.

Guest Editors

Dr. Cong Sun

Dr. Lin Xu

Dr. Jianyang Li

Dr. Angelina Lo Giudice

Deadline for manuscript submissions

31 January 2026



Diversity

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.0



mdpi.com/si/242027

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

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





Diversity

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.0



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



About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

Editor-in-Chief

Prof. Dr. Michael Wink

Institute of Pharmacy and Molecular Biotechnology, Heidelberg
University, Im Neuenheimer Feld 329, D-69120 Heidelberg, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, GEOBASE, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biodiversity Conservation) / CiteScore - Q1
(Agricultural and Biological Sciences (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 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).