

## Special Issue

# Marine Species and Microbial Biodiversity in a Changing Ocean: Adaptation, Symbiosis and Ecosystem Function

### Message from the Guest Editor

Marine biodiversity is rapidly changing due to climate change, habitat loss, and anthropogenic pressures. While large-scale ecosystem changes have been widely studied, the role of microbial diversity and species interactions in maintaining ecosystem function remains less well understood. This Special Issue aims to advance our understanding of how marine species, from benthic invertebrates to fish, interact with their microbial communities in a changing ocean. We welcome studies on microbial symbiosis, host–microbiome interactions, species adaptation to environmental shifts, and the role of microbes in ecosystem resilience. Contributions using molecular approaches such as barcoding, metabarcoding, and metagenomics, as well as experimental and field studies, are encouraged. Special attention will be given to the impact of temperature shifts, ocean acidification, and habitat degradation on species–microbiome dynamics. This Issue seeks to bridge the gap between microbial and macroecological perspectives, providing insights into biodiversity conservation and ecosystem restoration in an era of global change.

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### Guest Editor

Dr. Federica Montesanto  
Department of Ecoscience, Aarhus University, Aarhus, Denmark

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### Deadline for manuscript submissions

31 December 2025



## Diversity

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

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## 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).

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### Editor-in-Chief

Prof. Dr. Michael Wink

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

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#### 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).