

Special Issue

Functional Microbiomes and the Organization of Marine Communities: Molecular Biological Insights

Message from the Guest Editor

Advances in omics technology result in data-rich insights into microbiomes. We are on the cusp of moving from what organisms are present in a community to understanding how microbiomes function. Their functions include the production of energy and metabolomes, degradation and repurposing of structural materials and biopolymers, and interspecific and intraspecific communication at microbial and metazoan levels that result in a community behaving more like a coordinated complex individual than a collection of free-living opportunistic individuals. There is significant research on each sub-topic, and each sub-topic is a rapidly progressing frontier. This Special Issue welcomes reports that target understanding marine communities from the perspective of their biological functions. Keywords

- marine communities
- functional microbiomes
- exoenzymes
- chemical communication
- organization of complex ecosystems

Guest Editor

Prof. Dr. Daniel Rittschof
Nicholas School of the Environment, Duke University, Beaufort, NC
28516, USA

Deadline for manuscript submissions

31 December 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/218908

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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