



## The Structures and Biologic Activity of Marine Natural Products

Guest Editors:

**Dr. Alexanra S. Silchenko**

G.B. Elyakov Pacific Institute of  
Bioorganic Chemistry, Far  
Eastern Branch of the Russian  
Academy of Sciences, 690022  
Vladivostok, Russia

**Prof. Dr. Vladimir Kalinin**

G.B. Elyakov Pacific Institute of  
Bioorganic Chemistry, Far  
Eastern Branch of the Russian  
Academy of Sciences, 690022  
Vladivostok, Russia

Deadline for manuscript  
submissions:

**20 October 2024**

### Message from the Guest Editors

Dear Colleagues,

Marine natural products are physiologically and ecologically active compounds of diverse structural classes including biopolymers and low molecular weight substances. These metabolites originate from different biological sources such as invertebrates, algae, fungi and bacteria, inhabiting the marine environment. Changeable and hostile living conditions force marine organisms to adapt by driving chemical evolution. As result, plenty of new molecules with unique chemical structures and biological activities have arisen.

The modern approaches make possible thorough studying of marine natural products including the isolation of minor compounds expanding and deepening fundamental understanding of their biodiversity, functions and biosynthesis.

All the original research and reviews concerning structure elucidation, biologic activity and structure-activity relationships studying, metabolic profiling and biosynthetic peculiarities analysis of marine natural products are welcomed in this special issue.

Dr. Alexanra S. Silchenko

Prof. Dr. Vladimir Kalinin

*Guest Editors*





an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI