



## Antitumor and Anti-infective Agents from Marine Organisms

Guest Editors:

**Dr. Chiara Lauritano**

Stazione Zoologica Anton Dohrn,  
Villa Comunale, 80121 Naples,  
Italy

**Dr. Assunta Saide**

Stazione Zoologica Anton Dohrn,  
Villa Comunale, 80121 Naples,  
Italy

Deadline for manuscript  
submissions:

**31 August 2024**

### Message from the Guest Editors

The demand for new drugs for the treatment and prevention of human diseases has triggered a growing interest in marine sources for the discovery of new molecules. Actually, there are 14 marine drugs on the market and 23 marine derived compounds in clinical trials. Cancer treatment is the most frequent field of application, maybe because these compounds have often defensive roles in the natural environments. Recently, there is a renewed interest in exploring the marine habitat also thanks to the advancement in cultivation technologies and omics analyses (such as transcriptome and genome mining). Marine biotechnology studies have shown that several compounds from marine organisms can have pharmaceutical, nutraceutical and other industrial applications. We would like to encourage the submission in this special issue "Antitumor Agents from marine natural products" to collect recent original research and reviews in the field, highlighting antitumor activities of natural products derived from marine organisms and their possible mechanisms of action.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

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