

## Special Issue

# Innovative Marine Molecules: Chemistry, Biology and Analysis (Volume II)

### Message from the Guest Editors

Currently, the world population stands at 8.1 billion people and the resources available to support their needs, and food requirements are becoming in shorter supply every day. Since ca. 71% of planet Earth is covered by water, 96.5% of which is contained in oceans, the marine environment is being increasingly explored to replace, as well as complement, conventional sources of a myriad of compounds and molecules. It is also being explored as a source of innovative biotechnologically useful molecules for use in areas ranging from food, supplements and pharmaceuticals, to cosmetics, agrofertilizers and fuel. In light of this, the 2nd edition of this Special Issue aims to collect and compile recent research (in the form of original research articles and reviews) within the scope of food chemistry, discussing either sources or final products in relation to innovative marine molecules in terms of their chemical and biological natures, as well as their extraction, analysis technologies, and potential applications.

---

### Guest Editors

Dr. Sérgio Sousa  
Dr. Ana Gomes  
Dr. Ana P. Carvalho

---

### Deadline for manuscript submissions

closed (31 October 2025)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/188107](https://mdpi.com/si/188107)

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

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





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

---

### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).