

## 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

31 October 2025



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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