

## Special Issue

# Marine Biomaterials: Discovery, Analysis and Application

### Message from the Guest Editor

Marine biomaterials are a rapidly growing area that is recognized by policy makers and the enterprise sector as having significant potential to develop market opportunities for new biomaterials and pharmaceutical products. Due to the diversity of marine invertebrates and vertebrates, remarkable functional properties of their nanostructured, biomineralized tissues seem to be an inexhaustible source for modern bioinspired materials science and engineering. This Special Issue of *International Journal of Molecular Sciences* will highlight the importance of diverse biomaterials of marine organisms' origin as a renewable source of corresponding biopolymers, biominerals, and biocomposites. Consequently, this Special Issue will collect novel research papers and original reviews focusing on marine proteins and peptides (collagen, gelatin, spongin, keratin, elastin, byssus, gorgonin, conchiolin, abductin, resilin), polysaccharides (chitin, chitosan, tunicin, fucoidan, alginate, etc.) and silica- and calcium- based mineral phases as biocomposites. Additional attention will be focused on the creation of advanced bioinspired technologies.

### Guest Editor

Prof. Dr. Hermann Ehrlich

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### Deadline for manuscript submissions

closed (30 November 2020)



## International Journal of Molecular Sciences

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## About the Journal

### 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.

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### Editor-in-Chief

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