



Marine Biomaterials: Discovery, Analysis and Application

Guest Editor:

Prof. Dr. Hermann Ehrlich

Center for Advanced Technology,
Adam Mickiewicz University, 61-
614 Poznan, Poland

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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.





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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

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MDPI, St. Alban-Anlage 66
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