

Marine-Derived Products for Biomedicine

Guest Editor:

Dr. Marco Giovine

Department of Earth,
Environment and Life Sciences
(DISTAV), University of Genova,
Via Pastore 3, 16132 Genova, Italy

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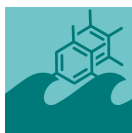
Message from the Guest Editor

Marine biodiversity is a planetary resource of which sustainable exploitation is one of the keys of a blue economy. Among the treasures guarded by Poseidon, the great variety of organisms living in the Earth's seas is an invaluable source of natural compounds and biomaterials that are potentially useful for biomedicines. New biologically-active compounds, exploited for new drug discovery, biomaterials used in tissue engineering and in bone repair, and complex body structural organizations for biomimicry are typical examples of applications of marine-derived products.

Marine invertebrates are the best candidates for active natural compound identification and for the characterization of new biomaterials, but a remarkable reservoir of new compounds come also from algae, as well as microorganisms.

An updated overview on the compounds and materials of marine origin for biomedicine will be reported in this Special Issue. Studies on new molecules derived from marine invertebrates and bacteria will be shown, as well as in vitro tests to assay the biotechnological potentiality of marine biomolecules for TERM and bone repairs.





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Editor-in-Chief

Prof. Dr. Bill J. Baker

Department of Chemistry,
University of South Florida, 4202
E. Fowler Ave., CHE 205, Tampa,
FL 33620-5250, USA

Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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Marine Drugs Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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