

Special Issue

Marine Organisms for Bone Regeneration - 2020

Message from the Guest Editors

At present, several studies have indicated marine organisms as a rich source of valuable bioactive compounds or inspiration by demonstrating interesting structural properties, which could be advantageous for bone tissue engineering approaches. These studies cover topics from the use of marine biopolymers (e.g., chitosan, collagen, or alginate) and ceramics (e.g., calcium phosphates and biosilicas) as building blocks for the development of bone biomaterials to the characterization of the morphological and mechanical features of corals, sponges, and other mineralized structures to support biomimetic approaches. As of this Special Issue of *Marine Drugs*, we would like to invite you to submit manuscripts that explore recent aspects of this research field, including the extraction of bioactive compounds from marine organisms (both biopolymers and/or inorganic materials), the use of the entire organism as a scaffold (taking advantage of the natural structure of fish bones, shells, corals, etc.), or even drug incorporation into these in order to create new functional biomaterials and drug delivery systems for bone tissue engineering.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2020)



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Bill J. Baker

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