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Marine Natural Products and Their Translational Applications in Medicine

Guest Editors:

Dr. Ipek Kurtboke

School of Science, Technology and Engineering, University of the Sunshine Coast, Maroochydore, QLD 4558, Australia

Prof. Dr. Sergey Zotchev

Department of Pharmacognosy, University of Vienna, Vienna, Austria

Deadline for manuscript submissions:

closed (31 July 2018)

Message from the Guest Editors

Since the 1960s, marine environments have provided a diverse range of naturally-produced compounds, and, notably, those from marine organisms have been shown to display a variety of biological activities with the potential to be utilized for biotechnological, pharmaceutical, cosmetic and environmental applications. Although there are over 15,000 marine natural products described to date, relatively few of these compounds have made it to clinical trials, let alone received approval by the US Food and Drug Administration (FDA) or the European Agency for the Evaluation of Medicinal Products (EMA) for marketing. As a result, a translational approach that brings different contributors of biomedical research together might reveal the true potential of marine derived compounds, especially for medicinal applications. The latter is of utmost importance considering the looming crisis of antibiotic resistance and the increasing incidence of cancer. In this Special Issue, the Guest Editors would like to invite marine researchers to contribute manuscripts ranging from search and discovery to marine natural product chemistry to clinical applications of marine natural products are invited.



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Special Issue



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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, Grosspeteranlage 5
4052 Basel, Switzerland

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