

Special Issue

Bioprospecting of Marine Vibrios

Message from the Guest Editor

Vibrionaceae (or vibrios) is a family of ubiquitous heterotrophic bacteria found in aquatic environments. Although they represent a small percentage of the bacteria in these environments, vibrios can predominate during blooms and play crucial roles in biogeochemical processes. Vibrios include the human pathogens *Vibrionaceae* cholera, as well as other less well-characterized animal pathogens. Indeed, it is the most important bacterial group implicated in infections of marine animals and causes major economic losses in aquaculture.

As we are facing the emergence of pathogenic and/or antibiotic-resistant vibrio, eco-inspired innovative strategies to develop new effective antimicrobials are strongly encouraged. Among these strategies, the phages, the natural predators of bacteria, are strong candidates for the treatment of bacterial infections in order to limit the spread of antibiotic-resistant bacteria. Probiotic, quorum-quenching molecules, and antimicrobial peptides are also considered as alternatives to antibiotic.

For this Special issue, we seek scientific articles, original research and opinion paper on new advances in the field of Bioprospecting of Vibrios.

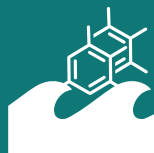
Guest Editor

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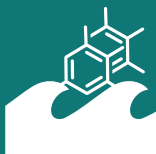


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Message from the Editor-in-Chief

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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