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Application of Bacteriophages in Marine Environments

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Message from the Guest Editor

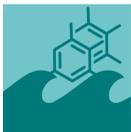
Bacteria are continually evolving into antibiotic-resistant strains due to their extraordinary ability to adapt to changes in their environment and displaying extraordinary combat strategies to survive despite continuously improved antibiotic mechanisms of actions. Alternative therapies are thus gaining importance, and one effective such therapy is “Bacteriophage Therapy”. However, in order to use them as potent therapeutic agents, phages with targeted activities have to be isolated. This can only be achieved by improving our understanding of the phage–host interactions in natural environments. One of these natural environments is the marine one—in particular, the marine sediments that support bacterial life are proven to contain a significant number of phages.

The Special Issue is intended to capture the advances and fill the gaps within the current literature to be able to contribute toward an improved understanding of marine bacteriophages and in turn their use in treatments of bacterial diseases.



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Special Issue



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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.

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