

Special Issue

Toxin–Antitoxin Systems in Marine Microbiology

Message from the Guest Editor

Toxin–antitoxin (TA) systems are widely distributed in bacterial and archaeal genomes. Since the identification of the first pair in the 1980s, numerous TA systems have been identified in microbiology across various ecosystems. They have been classified into eight types based on the nature of the toxins/antitoxins and the neutralization mechanisms of the antitoxins to toxins. TA systems have been demonstrated to play crucial roles in stress responses, biofilm formation, and phage defense. Despite being one of the most abundant prokaryotes on Earth, the characterization and functions of TA systems in marine microbiology are less understood compared to pathogens. This Special Issue invites articles covering predictions, the characterization, the function, and applications of marine TA systems.

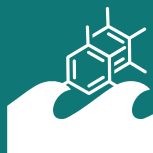
Guest Editor

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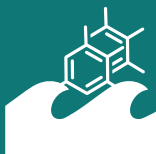


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About the Journal

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

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