



Natural Marine Compounds as Antimicrobial Agents

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Message from the Guest Editors

Humanity evolution is intimately linked to the use of natural products to fight against diseases. Indeed, it is thanks to these natural products that we have medicines such as penicillin and aspirin today. These are usually obtained from products of terrestrial origin; by contrast, the exploitation of marine products as a source of natural remedies has been very limited. It is also true, however, that seaweed and marine muds have been used as natural treatments for intestinal deworming, as anti-inflammatories, or as antibiotics. Marine biodiversity is enormous and can be an excellent source for the discovery of new antimicrobials, and as a consequence, in the last decade, research in this field has increased exponentially. Marine bacteria from sediments, associated with algae, corals, or invertebrates or deep-sea bacteria, are also a source of components with antimicrobial activity against bacterial pathogens. This Special Issue aims to provide an overview of the latest trends in the discovery of new antimicrobials from marine sources. Manuscripts in this topic are welcome for this Special Issue—not only original research but also reviews or mini-reviews.





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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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