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Marine Natural Products as Anticancer Agents

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Message from the Guest Editors

Despite the advances concerning cancer biology and its therapeutic strategies achieved in the last decades, cancer remains a huge threat for human health, and one of the deadliest diseases worldwide. One of the main factors contributing to the high cancer mortality is related to therapy failure and consequent cancer relapse; thus it is of the utmost importance to develop innovative therapeutics strategies, including new drugs. In this field, marine natural products have revealed uncommon and rare chemical features, not found in the terrestrial environment, on which the molecular modelling and chemical synthesis of novel anticancer drugs can be inspired.

The focus of this Special Issue will be to highlight the potential of marine natural products as anticancer agents, empathizing the diversity of the molecular targets and the mechanistic effects. The application of innovative scientific approaches, including co-cultures and 3D culture models, to avoid the gap between in vitro and in vivo experiments is encouraged. Approaches describing synergistic combination treatments of marine compounds with clinically-used or experimental anticancer agents are welcome.



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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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