

Special Issue

Antitumor and Anti-infective Agents from Marine Organisms

Message from the Guest Editors

The demand for new drugs for the treatment and prevention of human diseases has triggered a growing interest in marine sources for the discovery of new molecules. Actually, there are 14 marine drugs on the market and 23 marine derived compounds in clinical trials. Cancer treatment is the most frequent field of application, maybe because these compounds have often defensive roles in the natural environments. Recently, there is a renewed interest in exploring the marine habitat also thanks to the advancement in cultivation technologies and omics analyses (such as transcriptome and genome mining). Marine biotechnology studies have shown that several compounds from marine organisms can have pharmaceutical, nutraceutical and other industrial applications. We would like to encourage the submission in this special issue "Antitumor Agents from marine natural products" to collect recent original research and reviews in the field, highlighting antitumor activities of natural products derived from marine organisms and their possible mechanisms of action.

Guest Editors

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