

Special Issue

Identification and Extraction of Bioactive Compounds from Marine Life

Message from the Guest Editors

Dear colleagues, The discovery and development of new pharmaceuticals to address the increase in global cancer and infectious diseases is an urgent scientific challenge. Natural products remain the foundation of drug discovery and development research. Many emerging anticancer and antimicrobial drugs have their origins in nature. However, the molecular diversity of the oceans, a potential source of many clinical solutions, has not been fully explored. The marine environment, with its unique and extreme conditions, is a rich source of ecological competition, resistance to environmental threats, and sophisticated communication mechanisms. This environment harbors novel biomolecules with untapped pharmaceutical potential, making natural products the linchpin of global new drug discovery. A staggering 63% of new anticancer drugs in the market are linked to natural products. This Special Issue aims to document these collective efforts to unearth bioactive products from the marine environment and catalogue existing and potential bioactive compounds for clinical use, making you a part of this larger scientific community.

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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