

Special Issue

In Vitro and In Vivo Approaches in the Driving Seat of Marine Drugs Discovery

Message from the Guest Editors

Despite three centuries of great scientific discoveries, the truth about oceans and their organisms remains elusive. Natural products, medicinal and synthetic chemists along with pharmacologists, biochemists, cell biologists and microbiologists united their forces to unleash hidden treasures of oceans and seas. New classes of secondary metabolites were discovered from marine organisms with an unprecedented spectrum of biological activities. Several compounds entered the drug pipeline and many others are in various stages of clinical trials. Scientists used all available biological assays to screen marine organism extracts and fractions to zoom in on the most important compounds.

This Special Issue of Marine Drugs entitled “In Vitro and In Vivo Approaches in the Driving Seat of Marine Drugs Discovery” focuses on presenting the most recent advances in biological assays applied for the discovery of marine secondary metabolites with potential biological activities. Full research papers and review articles reporting the applications of in vitro and in vivo assays to reveal biological activities of marine natural products, will be considered.

Guest Editors

Prof. Dr. Mei-Chin Lu

Dr. Mohamed El-Shazly

Dr. Kuei-Hung Lai

Deadline for manuscript submissions

closed (10 June 2019)



Marine Drugs

an Open Access Journal
by MDPI

Impact Factor 5.4
CiteScore 10.1
Indexed in PubMed



mdpi.com/si/10942

Marine Drugs
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
marinedrugs@mdpi.com

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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

Prof. Dr. Bill J. Baker

Department of Chemistry, University of South Florida, 4202 E. Fowler Ave., CHE 205, Tampa, FL 33620-5250, USA

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