

## Special Issue

# Marine Compounds as Anti-Alzheimer's Agent

### Message from the Guest Editors

Alzheimer's disease is the most common progressive neurodegenerative disorder and the major cause of dementia. The main pathological hallmarks of AD include extracellular deposition of amyloid plaque, intraneuronal aggregation of neurofibrillary tangles, and brain atrophy. Marine natural products are shown to be effective in attenuating AD pathobiological processes. Many of these compounds modulate various molecular targets of brain-specific biochemical and signaling pathways. Natural product researchers and drug designers have been focusing their attention on the discovery and development of novel therapeutic leads from marine natural products or their skeleton. This Special Issue will cover the identification and characterization of novel compounds from marine organisms, the bioactivity of already known molecules, structure-activity relationship, strategies for brain delivery, and the mechanism of neuroprotection against various toxic insults representing in vitro and in vivo models of AD. Both original research and review papers are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2022)



## Marine Drugs

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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.

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### Editor-in-Chief

Prof. Dr. Bill J. Baker

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