



an Open Access Journal by MDPI

Novel Applications and Technologies for the Industrial Exploitation of Algal Derived Marine Bioactives as Nutraceuticals or Pharmaceuticals

Guest Editors:

Dr. Marco García-Vaquero

Section of Food and Nutrition, School of Agriculture and Food Science, University College Dublin, Belfield, Dublin 4, Ireland

Prof. Dr. Brijesh K. Tiwari

Teagasc Food Research Centre, D15 KN3K Dublin, Ireland

Deadline for manuscript submissions: closed (25 February 2022)

Message from the Guest Editors

Active molecules or bioactives (i.e. polysaccharides, fatty acids, proteins, polyphenols, diterpenes, steroids and alkaloids) from algae (seaweed and microalgae) have been widely studied in recent years for multiple pharmaceutical and nutraceutical applications. Innovative and emerging technologies including but not limited to ultrasounds, microwaves, electric fields, high-pressure, supercritical fluids, ionic fluids and plasma are currently being explored throughout multiple stages during the pre-treatment, extraction, isolation/purification and preservation of biomolecules from algae. This Special Issue will target research papers, reviews, short communications, and perspectives on the use of novel technologies for the preextraction, isolation-purification, treatment, characterization and preservation of marine compounds from algae giving also preference to novel research related to algal bioactives with clear and demonstrated industrial applications and focus.









an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, MarinLit, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmacology, Toxicology and Pharmaceutics (miscellaneous)*)

Contact Us

Marine Drugs Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/marinedrugs marinedrugs@mdpi.com X@Marine_Drugs