

Aquaculture Wastes and By-products as Source of High Added Value Compounds: Extraction, and Health Aspects

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Deadline for manuscript
submissions:

closed (1 December 2019)

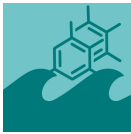
Message from the Guest Editors

Aquaculture waste results from the incomplete use of nutrients in farming, whereas by-products are generated from edible and non-edible parts left-over after product preparation. From these two sources, potential beneficial reuses are being investigated. Among the numerous reuse applications, the recovery of nutrients such as proteins, peptides, lipids, vitamins, oligosaccharides, as well as other bioactive compounds (e.g. polyphenols) can be cited. For this purpose, several conventional and innovative processes (e.g. ultrasound, pressurized liquids, high pressure processing, pulsed electric fields, microwaves, etc.) can be used.

In order to evaluate the potential use of the extracts and/or isolated compounds, several *in vitro* and *in vivo* assays are needed prior to its commercialization.

Therefore, this Special Issue covers high value-added compounds that can be obtained from aquaculture waste or by-products. It aims to provide insight into processing and health aspects related to these compounds. It covers all kinds of compounds and fields of utilization.





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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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