

## Special Issue

# Marine-Derived Novel Antioxidants

### Message from the Guest Editors

Marine ecosystems, including the ocean, marine water bodies, and surrounding environments such as salt marshes, estuaries, and coastal wetlands, harbour diverse organisms, including salt-tolerant plants, invertebrates, algae, sponges, fungi, and bacteria, all producing structurally unique antioxidant compounds.

**Novel compounds:** Identifying and characterizing antioxidants such as polyphenols, sulfated polysaccharides, peptides, carotenoids, and mycosporine-like amino acids.

**Sustainable sourcing:** Innovative extraction techniques, microbial biosynthesis, and the valorization of marine byproducts and invasive species.

**Biological activity and mechanisms:** Investigating how marine antioxidants influence oxidative stress pathways, inflammation, and neuroprotection.

**Industrial applications:** Utilization in functional foods, nutraceuticals, skincare, and pharmaceuticals.

**Environmental impact.**

By integrating bioprospecting, eco-friendly processing, and biomedical innovation, this Special Issue aims to highlight marine-derived antioxidants as being sustainable and high-value resources for health and industry.

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### Guest Editors

Dr. Luísa Custódio

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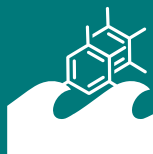
Dr. Maria João Da Silva Rodrigues

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### Deadline for manuscript submissions

30 September 2025



## 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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