

Special Issue

Seaweed Metabolites

Message from the Guest Editor

Seaweed represents a prolific source of biologically active and structurally diverse metabolites. As well as playing crucial ecological roles in the marine environment, these natural compounds show immense potential for different applications in the areas of pharmaceuticals, nutraceuticals, cosmetics, agriculture, and environmental technologies. For this Special Issue, we welcome original research articles, reviews, and short communications showcasing (1) novel insights into seaweed metabolomics and chemical ecology, (2) advances in bioprospecting and sustainable aquaculture, and (3) innovative approaches to valorizing seaweed metabolites in industry. This Special Issue will improve our understanding of the scientific discovery, industrial characterization, ecological functions, and biotechnological and functional applications of primary and secondary metabolites derived from red, green, and brown macroalgae. Meanwhile, we aim to foster interdisciplinary collaboration among marine biologists, chemists, biotechnologists, and industry stakeholders, promoting the sustainable use of seaweed metabolites.

Guest Editor

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Message from the Editor-in-Chief

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