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Microalgae Bioactive Compounds with Therapeutical Properties

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Message from the Guest Editors

Microalgae are considered one of the most diverse groups of microorganisms available in freshwater and marine environments. In recent times, bioactive compounds (e.g., fatty acids, lipids, polysaccharides, polyphenols, chlorophyll, carotenoids, pigments, etc.) derived from microalgae have been increasingly recognized by the pharmaceutical industry for their potential therapeutical (antioxidant, anti-viral, anti-bacterial, anti-fungal, anti-tumor, anti-inflammatory, etc.) properties. However, the pharmaceutical properties of microalgal metabolites are far from being fully discovered and described.

In this context, this Special Issue is aimed at encouraging scientists in the field of microalgae research and drug development to publish their recent findings on microalgae-derived natural bioactive compounds, and specifically the elucidation of their mechanistic mode-of-action and/or the identification of biomolecules with novel therapeutic properties, with special emphasis on, but not limited to, anti-cancer and anti-neurodegenerative diseases.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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