



## Biomolecules from Alga: Biological Effect and Pharmacological Properties Volume 2

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### Message from the Guest Editor

Dear Colleagues,

Algae are mainly composed of proteins, carbohydrates, lipids, and trace nutrients including vitamins, antioxidants, and other elements. These photoautotrophic organisms include eukaryotes (macro- and microalgae) and prokaryotic Cyanobacteria (also called blue-green microalgae) living in various aquatic but also nonaquatic habitats. Algae have the potential to play pivotal roles in remedying the prevailing global energy, environment, and food crisis. Indeed, bioactive compounds from algae such as proteins, fatty acids, carbohydrates, vitamins, and pigments can be sourced directly from their primary or secondary metabolism. Many of these compounds have been described as having antifungal, antiviral, antialgal, antienzymatic, antibiotic, antimicrobial, antioxidant, and anti-inflammatory capacities, with great potential for the development of new products for medical, pharmaceutical, cosmetic, and food industries. This Special Issue encompasses the roles of alga in biomolecule production, including screening of extracts or isolation of new metabolites and assessment of their biological activity.





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## Message from the Editorial Board

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