



Advances in Algal Biomass Applications

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Message from the Guest Editor

Dear Colleagues,

Microalgae and macroalgae (or seaweed) have been used by humankind for generations as food, food supplements, fertilisers, hydrocolloids, and cosmetic ingredients, and there are further extensive potential applications in the food, nutraceutical, biopharmaceutical, and renewable energy industries. A vast number of various algal bioactive compounds are yet to be exploited, and challenges remain which must be overcome in order to successfully transfer laboratory-scale knowledge into industrial practices. These challenges include production costs, regulatory issues, and both upstream and downstream process optimisation. This Special Issue on “Advances in Algal Biomass Applications” seeks high-quality contributions with a focus on the latest advances in industrial and commercial applications of micro- and macroalgal biomass and on strategies involved in refining these aquatic species.

- microalgae
- macroalgae
- seaweed
- marine bioactive compounds
- biorefineries
- biofuel
- algae biomass
- pre-treatment
- microalgal technologies
- nutraceuticals
- pharmaceuticals





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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