



Algal Biomass, Biofuels and Bioproducts

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Message from the Guest Editor

As the global climate change crisis becomes serious, the importance of climate technologies to reduce CO₂ emissions is growing exponentially. In this context, many studies have been performed on the development of cost-competitive microalgal-based biofuels and bioproducts. Notwithstanding the extensive efforts devoted to the commercialization of those, the related existing technologies still leave much to be desired.

The aim of this Special Issue is to discuss various approaches that contribute to increase technology maturity and cost competitiveness of algal biomass, biofuels, and bioproducts. The topics of interest for this Special Issue include but are not limited to the following:

- Innovative microalgae biorefinery;
- Promising downstream processing of microalgal biomass;
- Conventional application fields of algal biomass (biofuels, biochemical, bioproducts);
- New emerging application fields (microalgal-derived materials, electrode materials, catalysts);
- Strategic and policy support plan for algal-based bioenergy.





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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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