



Advanced Technologies for the Production, Processing, and Extraction of Biorefinery Products from Microalgae

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Deadline for manuscript submissions:

15 December 2024

Message from the Guest Editors

From advanced photobioreactors and genetic engineering to novel extraction methods and bioconversion processes, this Special Issue on "Advanced Technologies for the Production, Processing, and Extraction of Biorefinery Products from Microalgae" provides a comprehensive understanding of the state-of-the-art strategies employed to harness the full potential of microalgae in biorefineries. As we navigate the complexities of scaling these technologies for industrial applications, this Special Issue underscores the pivotal role of microalgae in the transition towards a sustainable bioeconomy.

Topics include, but are not limited to, the following:

- Innovative Cultivation Techniques for Microalgae;
- Advanced microalgae harvesting and Dewatering Methods;
- Extraction of Biorefinery Products from Microalgae; Optimization of Microalgae Growth Conditions and Nutrient Supply;
- Regulatory and Market Challenges in Algal Biorefinery Products;
- Applications of Machine Learning and AI in Algal Biotechnology.





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Message from the Editor-in-Chief

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