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Recent Advances in Microalgal Biology and Biotechnology

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Message from the Guest Editor

Over the last several decades, cultivation of microalgae has evolved into a globally established, economically important branch of biotechnology. Microalgal biotechnology and its derived technologies are now considered among the most promising responses to global challenges. They are at the foundation of CO₂ biomitigation, sustainable usage of nutrients like nitrogen and phosphorus, providing green alternatives for fossil fuels and raw materials for bulk chemistry.

This Special Issue is intended to integrate the current progress in overcoming the current barriers for improving the efficiency and practical implementation of microalgal biotechnologies. Submissions on the breakthroughs in basic science with a potential to solve hot problems in microalgal biotechnology are welcome as well as reports on their successful implementation. Preference will be given to contributions deepening the mechanistic insights into the key determinants of microalgal productivity and stress resilience. We would be happy to consider your minireviews summarizing the recent progress in the field after prior negotiation of the topic and structure with the editor of the Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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