

## Special Issue

# Biofuel Production by Microalgal Fermentation

### Message from the Guest Editor

Microalgae have promising properties, such as the high production of lipids, proteins, and valuable pigments. Moreover, they are robust and can be used to treat wastewater with high nutrient concentrations. Potential biofuels include fatty acids, which can be used for biodiesel production; however, further research is needed on the topic before the industrial implementation of the process. Manuscripts looking into biofuel production are encouraged, which includes the comparison of different microalgal species. Parameters such as light wavelength, mixotrophic growth, the use of photobioreactors, and waste streams are of interest. Furthermore, photosynthetic microbial fuel cells are of interest for electricity production. Finally, upscaling and studies on making aviation fuels are encouraged.

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### Guest Editor

Dr. Anders Thygesen

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### Deadline for manuscript submissions

closed (20 June 2025)



## Fermentation

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Welcome to an open access journal, *Fermentation*, which meets the growing need for a high quality peer-reviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this journal and look forward to working with you to make *Fermentation* a leader in its field. Your contributions are vital for the success of this journal. Proposals for editing a special issue for a particular topical area are always welcome.

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### Editor-in-Chief

Prof. Dr. Christian Kennes  
Department of Chemical Engineering, Faculty of Sciences, University of La Coruña, La Coruña, Spain

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