



Biofuel Production by Microalgal Fermentation

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Deadline for manuscript
submissions:

closed (20 June 2025)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Anders Thygesen

Guest Editor





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