Special Issue

Algae—the Medium of Bioenergy Conversion

Message from the Guest Editors

Algal biomass is considered a promising feedstock in the production of sustainable bioenergy. Depending on the downstream processing technologies, algal biomass can be harnessed in the production of bio-diesel, oil, syngas or hydrogen. Algal biomass can also yield a variety of biofuels and bioproducts when processed using the concepts of biorefinery. Considering the potential of algae in carbon sequestration, bioenergy from algae often have the dual advantages of energy security, as well as, climate change mitigation. Additional benefits can also be realised by integrating algal bioenergy production with waste remediation. Fermentation invites you to submit original scientific papers in the form of Reviews, Original Research or Short Communications for this Special Issue. The following topics will be considered:

- Improvements in algal biomass production
- Innovative downstream processing concepts
- Algae-based waste remediation for bioenergy production
- Valorization of algae biomass for bioenergy production
- Life-cycle assessment and techno-economic analysis of algae-based bioenergy or biorefinery

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Deadline for manuscript submissions

closed (31 January 2023)

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.5 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).