

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

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)



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About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new 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 new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
Retired, National Center for Agricultural Utilization Research, USDA-ARS, Peoria, IL, USA

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