



## Algae—the Medium of Bioenergy Conversion

Guest Editors:

**Dr. Prashant Praveen**

Rotorua Lakes Council, Rotorua,  
New Zealand

**Dr. Sheetal Parakh**

NUS Environmental Research  
Institute, National University of  
Singapore, Singapore, Singapore

Deadline for manuscript  
submissions:

**closed (31 January 2023)**

### 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





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Badal C. Saha

Retired, National Center for  
Agricultural Utilization Research,  
USDA-ARS, Peoria, IL, USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Biotechnology and Applied Microbiology*) / CiteScore - Q2 (*Plant Science*)

## Contact Us

Fermentation Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/fermentation](http://mdpi.com/journal/fermentation)  
[fermentation@mdpi.com](mailto:fermentation@mdpi.com)  
X@Ferment\_MDPI