Special Issue

Microalgal Bioprocess and Sustainability

Message from the Guest Editors

Microalgae are promising feedstock for fuel and biochemicals. Sustainability is an important element that needs to be considered while developing production systems aimed at providing future bioproducts. While microalgal production systems are extensively studied, it is believed that further efforts are needed in order to improve the sustainability of the bioprocess. The aim of this issue is to gather studies that could potentially contribute to the development of truly sustainable microalgal bioprocesses. We find the following research areas to be suitable for this issue that could contribute to improve the sustainability of microalgal bioprocesses:

- Improving biomass/biocomponent productivity;
- Development of biorefinery concepts;
- Better valorization of side stream products or residual wastes:
- Utilization of waste stream nutrients;
- Development of cost-effective downstream processes such as biomass harvesting, cell disruption and compound extraction.

Guest Editors

Prof. Dr. Praveen Ramasamy

Department of Science and Environment, Roskilde University, 4000 Roskilde. Denmark

Prof. Dr. Søren Laurentius Nielsen Ocean Institute, 1201 Copenhagen, Denmark

Dr. MubarakAli Davoodbasha

School of Life Sciences, B. S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, Tamilnadu 600048, India

Deadline for manuscript submissions

closed (31 December 2021)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/57828

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

