



processes



an Open Access Journal by MDPI

Design and Application of Microalgal Bioreactors

Guest Editors:

Dr. Zhen Zhang

Department of Biotechnology
and Biomedicine, Yangtze Delta
Region Institute of Tsinghua
University, Jiaxing 314006, China

Dr. Leonardo Zambotti-Villela

Department of Biochemistry,
Chemistry Institute, University of
Sao Paulo, Sao Paulo 05508-900,
Brazil

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

Dear Colleagues,

Microalgae possess significant value across multiple fields, serving as food, feed, cosmetics, nutrition, and medicine, while also playing a pivotal role in green manufacturing, renewable energy production, and environmental ecological protection. However, the expansion of these applications has been hampered by a key challenge: the limited availability of microalgal biomass. The crux of this issue lies in achieving low-cost and high-density cultivation, which necessitates the optimization and scaling-up of bioreactors.

To address this, we aim to bring together the latest advancements in research and application, particularly focusing on the innovative design theories, optimization techniques, and practical applications of microalgal bioreactors.



mdpi.com/si/201873

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)