

Special Issue

Engineering Microalgal Systems for a Greener Future

Message from the Guest Editors

The development of microalgal systems has emerged as a transformative approach to address global environmental challenges and promote sustainable bioengineering solutions. Advances in microalgal bioengineering encompass the optimisation of cultivation techniques and process innovations aimed at enhancing productivity, resource efficiency, and the accumulation of high-value compounds. These efforts are crucial for multiple applications, such as biofuels, bioplastics, pharmaceuticals, nutraceuticals, food additives and carbon capture technologies.

Guest Editors

Dr. Ana Filipa Cruz Esteves

LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, University of Porto, 4200-465 Porto, Portugal

Dr. Alok Kumar Patel

Biochemical Process Engineering, Division of Chemical Engineering, Department of Civil, Environmental, and Natural Resource Engineering, Luleå University of Technology, 97187 Luleå, Sweden

Deadline for manuscript submissions

28 February 2026



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/228019

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

[mdpi.com/journal/
bioengineering](https://mdpi.com/journal/bioengineering)





Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



[mdpi.com/journal/
bioengineering](https://mdpi.com/journal/bioengineering)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Biomedical)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).