Special Issue

Biorefinery Process Design, Modeling and Optimization

Message from the Guest Editors

In nature, a wide array of resources can be processed to extract and recover biomolecules, with several applications at the industrial scale and even in more traditional uses. This Special Issue, entitled “Biorefinery Process Design, Modeling and Optimization,” aims to present a collection of current advances and developments in the biorefinery concept for high-added-value extraction, recovery, and applications. Topics include, but are not limited to, the following:

- Designing strategies for high yields of biomass exploitation for biomolecule production, recovery, and application;
- Biotechnological processing to biotransform substrates under experimental designs using microbes and/or enzyme technology;
- Development of optimized strategies for extraction or bioconversion of substrates for biomolecule release and/or recovery;
- Modeling of biorefinery products to achieve prediction of larger scale production of high-added-value molecules.

Guest Editors

Dr. Leopoldo J. Ríos González

Dr. Miguel A. Medina Morales

Dr. Adolfo Romero Galarza

Deadline for manuscript submissions

closed (20 December 2024)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/201105

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

About the Journal

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.

Editor-in-Chief

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

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:

CiteScore - Q2 (Chemical Engineering (miscellaneous))

MDPI