



Experimental Investigation and Modeling of Biowaste Conversion into Renewable Energy and Resources

Guest Editor:

Dr. Gorica R. Ivaniš

Faculty of Technology and
Metallurgy, University of
Belgrade, 11000 Belgrade, Serbia

Deadline for manuscript
submissions:

closed (31 May 2025)

Message from the Guest Editor

Biowaste is a valuable renewable source of organic components that can be easily upgraded to biofuels and various chemicals and materials. In addition to solving the problem of biowaste disposal, the valorization of biowaste towards biofuels and biochemicals also reduces the negative environmental and economic consequences of using fossil fuels. The development and successful commercialization of biowaste conversion processes essentially depend on the precision of the process and design of the equipment, which require knowledge of the present reaction mechanisms and transport phenomena.

This Special Issue is dedicated to the experimental and computational optimization of the process of converting biowaste into renewable energy and resources. Topics include, but not are limited to, the following:

- Thermochemical conversion of biowaste;
- Biochemical conversion of biowaste;
- Biowaste conversion process modeling and simulation;
- Integrated process design and optimization of biowaste conversion.





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: 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)