Special Issue

Green and Sustainable Chemistry of Waste Conversion in Circular Economy: Challenges and Perspectives

Message from the Guest Editors

This Special Issue will focus on the green and sustainable chemistry of waste conversion processes, including biomass conversion, the development and application of green chemical products, waste-to-energy processes, thermochemical conversion processes, biomaterials, the life cycle assessment of chemical products and processes, and biomass in the circular economy. Waste biorefinery, as well as circular bioeconomy, will also be covered, which includes bioprocesses; waste for biopolymers; bio-lipids production; bioprocesses for wastewater treatment; and the integrated use of biowaste, biofuels, and renewable feedstocks. **Topics of interest, but not limited, include:**

- Green and sustainable chemistry of waste conversion;
- Bioconversion of wastes into value-added products;
- Waste-to-energy conversion;
- Waste biorefinery: challenges and perspectives;
- Biomass in a circular economy;
- Life cycle of chemicals and products;
- Integrated use of biowaste;
- Treatment technologies for biowaste;
- Bioconversion of biowaste into renewable energy and biomaterials.

Guest Editors

Prof. Dr. Maria Rios

Department of Mechanical Engineering, Federal University of Ceará, Fortaleza 60440-554, Brazil

Prof. Dr. José Cleiton Sousa dos Santos

Institute of Engineering and Sustainable Development, University of International Integration of the Afro-Brazilian Lusophony, Redenção 62790-970, Brazil

Deadline for manuscript submissions

closed (30 May 2024)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/163382

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