

## Special Issue

# Green Conversion and Biorefinery Processes of Waste and Biomass Materials

### Message from the Guest Editor

Some of the major efforts towards protecting the environment include conversion and biorefinery for valorization, reducing waste, and producing energy and value-added chemicals. One of the main goals of conversion and biorefinery is to minimize waste and biomass materials with environmentally friendly processes. By applying this route of material sources and catalyst methods, the cost of the product will be lower. Moreover, using a catalyst reaction of green technology for conversion to value-added chemicals and energy replaces environmentally harmful materials that may be toxic or polluted. This Special Issue welcomes submissions in the form of original research papers or reviews which reflect current research in the conversion and biorefinery field, with a focus on the following specific topics:

- Green catalyst materials for conversion and biorefinery of waste and biomass materials;
- Utilizing green solvent to the medium of conversion processes;
- Multiple heating methods for reacting efficiencies;
- Selecting optimization methods for large-scale and practical application.

---

### Guest Editor

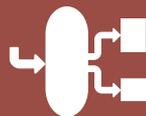
Dr. Chung-Yu Guan

Department of Environmental Engineering, National Ilan University,  
Yilan 260, Taiwan

---

### Deadline for manuscript submissions

closed (10 February 2023)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/111326](https://mdpi.com/si/111326)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



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