



## Biomass Processing and Conversion Systems

Guest Editor:

**Dr. Joanna Berłowska**

Institute of Fermentation  
Technology and Microbiology,  
Faculty of Biotechnology and  
Food Sciences, Lodz University of  
Technology, Wolczanska  
171/173, 90-924 Lodz, Poland

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editor

Dear Colleagues,

Sustainable development, and in particular rational waste management, constitutes a major challenge to contemporary industries. An efficient way of recycling waste biomass is to use it as a substrate in biological processes. A sustainable solution should also be consistent with the green chemistry concept, according to which processes should be designed and conducted to minimize hazards to the natural environment. Green chemistry implies the application of alternative ways of synthesizing chemical compounds and the optimization of process conditions so as to increase selectivity and decrease waste. This Special Issue focuses on recent developments in biomass (especially waste biomass: wood or forest residues, waste from food crops, horticulture, food processing, animal farming, or human waste from sewage plant) biological conversion, and valorization. Safely reusing waste/biomass should lead to its transformation into valuable compounds and materials; energy and fuels or platform chemicals.





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

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

## 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:** JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

## Contact Us

---

*Processes* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)