

## Special Issue

# Advances in Biomass Co-combustion with Alternative Fuels

### Message from the Guest Editors

Climate change is prompting production systems to shift from a fossil-based economy to a carbon neutral one. In this context, biomass can play an important role if wisely exploited. Biomass is widely available and uniformly distributed worldwide and can provide a sustainable source of energy with the advantage of being less intermittent and more programmable compared to solar and wind power. There are different ways to use biomass as fuel such as direct combustion, co-combustion with alternative fuels (e.g., fossil fuels), gasification, etc. This Special Issue aims to address the combined use of biomasses with different fuels in order to identify the issues and possible solutions of the technology as well as to explore possible new scenarios. The main research topics are:

- Biomass and coal co-combustion;
- Biomass and gas co-combustion;
- Co-combustion with producer gas from biomass gasification

### Keywords

- co-combustion
- biomass
- co-firing
- bioenergy
- fuel

---

### Guest Editors

Dr. Marco Puglia

Department of Engineering "Enzo Ferrari", University of Modena and Reggio Emilia, 41125 Modena, Italy

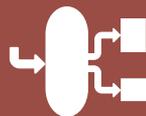
Dr. Nicolò Morselli

Department of Engineering "Enzo Ferrari", University of Modena and Reggio Emilia, 41125 Modena, Italy

---

### Deadline for manuscript submissions

closed (28 February 2023)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/103918](https://mdpi.com/si/103918)

*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))