



an Open Access Journal by MDPI

## Upstream and Downstream Processing of Biogas: From Production Technology to Performance Assessment

Guest Editors:

**Prof. Dr. Alarico Macor**

Department of Engineering and Management, University of Padova, Stradella San Nicola, 36100 Vicenza, Italy

**Prof. Dr. Alberto Benato**

Department of Industrial Engineering, University of Padova, 35131 Padova, Italy

**Dr. Andrea Pezzuolo**

Department of Land, Environment, Agriculture and Forestry, University of Padova, 35020 Legnaro, Italy

Deadline for manuscript submissions:

**closed (15 December 2021)**

### Message from the Guest Editors

As a matter of fact, today the high investment costs and the low price of fossil fuels limit the spread of biogas technology. But, the development of more efficient production methods and adequate support policies can help to overcome these obstacles.

For these reasons, this special issue wants to focus on:

- Upstream and downstream processing innovations: new energy crops, anaerobic digestion enhancements, exploitation of biogas as a fuel (ORC systems, fuel cells, biomethane)
- Environmental sustainability evaluation by means of multidisciplinary impact analyses.
- Health and Environmental impact assessments: evaluations of the damage caused by biogas production plants and by combustion in engines, gas turbines or other devices and effects on emissions regulations.



[mdpi.com/si/50458](https://mdpi.com/si/50458)

# Special Issue



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:** JCR - Q2 (*Engineering, Chemical*) / 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](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)