



an Open Access Journal by MDPI

## New Frontiers in Anaerobic Digestion (AD) Processes

Guest Editors:

**Prof. Dr. Sonia Heaven**

Faculty of Engineering and  
Physical Sciences, University of  
Southampton, Southampton  
Boldrewood Innovation Campus,  
Southampton SO16 7QF, UK

**Dr. Sigrid Kusch-Brandt**

Department of Civil,  
Environmental and Architectural  
Engineering ICEA, University of  
Padova, 35122 Padova, Italy

**Prof. Dr. Charles Banks**

Faculty of Engineering and  
Physical Sciences, University of  
Southampton, Southampton  
Boldrewood Innovation Campus,  
Southampton SO16 7QF, UK

Deadline for manuscript  
submissions:

**closed (18 December 2022)**

### Message from the Guest Editors

Anaerobic digestion (AD) is widely used to process a variety of organic materials, but a major share of its full potential currently remains unlocked.

This Special Issue on “New Frontiers in Anaerobic Digestion (AD) Processes” seeks original contributions that focus on recent developments and advanced concepts related to the valorisation of biomass under application of anaerobic digestion. Topics of interest include, but are not limited to:

- optimised operating regimes for AD processes;
- novel or significantly improved reactor configurations;
- progress in overcoming process inhibitions and ensuring process stability;
- modelling and control strategies;
- valorisation of biogas components in high-value applications;
- integrating AD into biorefinery concepts;
- integrating AD and renewables in power-to-gas applications;
- synergistic integration of AD into chemical and biochemical processes;
- AD process integration at the industrial scale; and
- sustainable concepts for decentralised, small-scale AD processes.



[mdpi.com/si/53420](https://mdpi.com/si/53420)

# 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)