



Anaerobic Digestion Process: Design, Optimization and Application

Guest Editor:

Dr. Gregor Drago Zupančić

Sustainable Technologies
Development Centre, Croteh,
10020 Zagreb, Croatia

Deadline for manuscript
submissions:

2 August 2024

Message from the Guest Editor

Anaerobic digestion (AD) is an interesting approach to waste management since it produces biogas, a gaseous mixture of primarily methane and CO₂, which can be used in various industrial and other processes. Furthermore, the fact that anaerobic digestion in this case utilizes food waste, it can be concluded that AD in this case plays a dual part in improving the sustainability of the industry: (1) it improves the management of the industrial waste and (2) it generates the production of the energy source – biogas. Also, indirectly, AD, in this case, uses waste from the food and beverage industry, which does not endanger resources needed for food production.

The topics within the scope of the issue are mainly the following, but not limited to this:

- Anaerobic digestion of waste materials, waste, and by-products from the food and beverage industry, as well as agriculture are included
- Pre-treatment of substrates used in anaerobic digestion
- Unification of anaerobic digestion with various other processes and applications
- Inhibition effects in anaerobic digestion
- Characterization and quality of produced digestate





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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)