

Special Issue

Sustainable Management of Wastewater and Sludge

Message from the Guest Editors

The activated sludge system, a stable biotechnology that has been utilized in wastewater treatment plants (WWTPs) for decades, effectively removes nutrients such as organics, nitrogen, and phosphorus from wastewater. However, the current wastewater treatment processes require a significant energy input, and existing sludge treatment methods produce low-quality sludge while exhibiting relatively low efficiency. In the era of the circular economy, the wastewater industry necessitates technologies with high efficiency and low energy consumption. Therefore, our Special Issue titled “Sustainable Management of Wastewater and Sludge” focuses on the development of novel biotechnologies in the wastewater and sludge industry to promote the circular economy. This Special Issue includes, but is not limited to, the following topics:

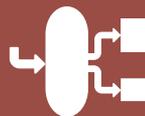
- Nitrogen removal biotechnology
- Phosphorus removal biotechnology
- Resource recovery biotechnology
- Low greenhouse gas emission biotechnology
- Integrated wastewater and sludge management
- Innovative uses of digestate (both liquid and solid)

Guest Editors

Dr. Zhetai Hu
Dr. Zhiqiang Zuo
Dr. Bo Wang

Deadline for manuscript submissions

20 March 2026



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/204274

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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))