

Special Issue

Research Progress of Microorganisms in Wastewater Treatment

Message from the Guest Editors

Anaerobic digestion (AD), involves coordinated action between Bacteria and Archaea to convert complex organic matter into energy-rich biogas and residual digestate streams. Although the application of AD is considered useful for degrading different organic pollutants, information regarding the effect of microorganisms on the degradation pathway of micropollutants is still under investigation. The improvement of the AD process, therefore, requires additional investigation of the role of microorganisms and the further understanding of the metabolic pathway.

This Special Issue of *Fermentation* aims to publish in-depth technical research papers and experimental and numerical review papers addressing recent progress in the degradation of pollutants of ongoing concern in wastewater treatment systems during the anaerobic digestion process, with a specific focus on the investigation of microbial development and the identification of the metabolic pathway. Strong and innovative research works involving bioinformatic analysis that can further improve our understanding of the genetic makeup of microorganisms and further revolutionize microbial genetic engineering will be prioritized.

Guest Editors

Dr. Parveen Fatemeh Rupani

Department of Agrifood and Environment, Cranfield University,
Cranfield MK43 0AL, UK

Prof. Dr. Lise Appels

Department of Chemical Engineering, Process and Environmental
Technology Lab, KU Leuven, Jan Pieter De Nayerlaan 5, B-2860 Sint-
Katelijne-Waver, Belgium

Deadline for manuscript submissions

closed (30 October 2022)



Fermentation

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.7



mdpi.com/si/111054

Fermentation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fermentation@mdpi.com

[mdpi.com/journal/
fermentation](https://mdpi.com/journal/fermentation)





Fermentation

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.7



[mdpi.com/journal/
fermentation](https://mdpi.com/journal/fermentation)



About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
Retired, National Center for Agricultural Utilization Research, USDA-
ARS, Peoria, IL, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biotechnology and Applied Microbiology) /
CiteScore - Q1 (Plant Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).