

## Special Issue

# Resource Recovery of Wastes by Fermentation towards a Sustainable Circular Economy

### Message from the Guest Editors

A circular economy keeps resources in use for as long as possible, extracts maximum value from use, then recovers and regenerates products and materials at the end of their shelf-life. Hence, it reduces the dependence on virgin feedstocks as well as reducing the quantity of material going to landfill sites. A promising approach to convert waste materials into valuable products is via fermentation with the as it occurs at ambient temperature and has been happening naturally for years. This special issue is therefore dedicated to publishing recent innovative research results, as well as review papers that deals with extracting and/or recovering resources from exhaust gas, wastewater and solid wastes (agricultural, municipal and industrial) by fermentation using various microorganisms. The manuscripts could be dealing with a technical or economical issues on these topics.

### Guest Editors

Prof. Dr. Mohammad Taherzadeh

Swedish Centre for Resource Recovery, University of Borås, 501 90 Borås, Sweden

Dr. Rachma Wikandari

Department of Food and Agricultural Product Technology, Faculty of Agricultural Technology, Universitas Gadjah Mada, Yogyakarta, Indonesia

### Deadline for manuscript submissions

closed (28 June 2022)



## Fermentation

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.7



[mdpi.com/si/90095](https://mdpi.com/si/90095)

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

Prof. Dr. Christian Kennes  
Department of Chemical Engineering, Faculty of Sciences, University of  
La Coruña, La Coruña, Spain

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, Inspec, CAPus / 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).