

## Special Issue

# The Future of Fermentation Technology in the Biorefining Process: 3rd Edition

### Message from the Guest Editor

The aim of this Special Issue is to showcase the latest advancements in fermentation technology and bioprocessing for upgrading key industrial sectors into modern biorefineries, raising the awareness of all stakeholders on opportunities for utilizing waste and by-product streams from major industrial activities for the production of platform chemicals and biopolymers. Special attention will be given to the following research topics: (i) fermentation as the core bioprocess in biorefinery development; (ii) alternative raw materials as potential feedstocks for industrial biotechnology applications; (iii) innovative pretreatment (fractionation of raw materials) and advanced downstream processing (product separation and recovery) technologies coupled with efficient and innovative fermentation processes; (iv) pilot-scale, demo-scale, and commercial-scale case studies on biorefineries using fermentation as the main process; and (v) sustainability assessment tools to measure the socio-economic and environmental performance of these innovative facilities.

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### Guest Editor

Dr. Bartłomiej Zieniuk

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### Deadline for manuscript submissions

closed (31 December 2025)



## Fermentation

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CiteScore 5.7



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## About the Journal

### Message from the Editor-in-Chief

Welcome to an open access journal, *Fermentation*, which meets the growing need for a high quality peer-reviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this 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 journal. Proposals for editing a special issue for a particular topical area are always welcome.

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### Editor-in-Chief

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

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