

Special Issue

Fermentative Production of Biofuels and Bioproducts within a Biorefinery Perspective

Message from the Guest Editors

Biorefineries are one of the vectors of change that should lead the transition to a bioeconomy-based society. Among the different technologies, fermentation-based processes have the potential to obtain both sustainable biofuels (bioethanol, biobutanol, etc.) and industrially relevant high-added value bioproducts (xylitol, lactic acid, etc.) from a wide variety of lignocellulosic biomass. This Special Issue aims to offer a broad perspective on the role that fermentation processes play in innovative biorefinery routes and the portfolio of products that can be obtained, including biofuels and other interesting high-added value chemicals. We welcome manuscripts including, but not limited, to the following topics:

- Study of novel raw materials for the production of biofuels and bioproducts through fermentation processes (e.g. urban and industrial wastes);
- Study of new fermentative strains and fermentation strategies to produce biofuels and bioproducts
- Development of integrated concepts for biofuels and bioproducts obtained through fermentation-based processes
- Techno-economic assessment of biorefinery concepts
- Life-cycle assessments of biorefinery concepts

Guest Editors

Dr. Ana Susmozas

CIEMAT, Advanced Biofuels and Bioproducts Unit, Madrid, Spain

Dr. Aleta Duque

CIEMAT, Advanced Biofuels and Bioproducts Unit, Madrid, Spain

Deadline for manuscript submissions

closed (30 September 2022)



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Fermentation

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

fermentation@mdpi.com

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).