



New Agro-Industrial Wastes as Feedstock for Lactic Acid Production

Guest Editors:

Prof. Dr. Jie Bao

State Key Laboratory of
Bioreactor Engineering, East
China University of Science and
Technology, Shanghai, China

Dr. Bin Zhang

State Key Laboratory of
Bioreactor Engineering, East
China University of Science and
Technology, Shanghai, China

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to publish the cutting-edge research on using agro-industrial waste biomass for the production of lactic acid, especially the production of chiral lactic acids (L-lactic acid and D-lactic acid) with the potential to be used as monomer chemicals of PLA. Agro-industrial wastes include crops residues (corn stover, wheat straw, rice straw, sugarcane bagasse, etc.), forest residues (wood sawdust, etc.), energy plants (switch grass, empty palm bunches, etc.), as well as industrial biomass wastes (corn cob residue from xylose extraction, corn fibers, fruit residues, etc.), but exclude pure sugars from sugarcane, sugar beets, sweet sorghum, and starch from corn, wheat, rice, barley, sweet potato, potato, and other starch-based crops. The research scopes covered in this Special Issue include, but are not limited to, biorefinery conversion, fermentation, microbial cell factory, purification and valorization, and novel process platform technology aiming at lactic acid production, as well as techno-economic and carbon-neutral evaluations.

Prof. Dr. Jie Bao

Dr. Bin Zhang

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Badal C. Saha

Retired, National Center for
Agricultural Utilization Research,
USDA-ARS, Peoria, IL, USA

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.

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), PubAg, FSTA, Inspec, CAPlus / SciFinder, and other databases.

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

Contact Us

Fermentation Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/fermentation
fermentation@mdpi.com
[X@Ferment_MDPI](https://twitter.com/Ferment_MDPI)