



Advances in Biochemical Conversion Technologies of Waste to Bioenergy, Biochemicals, and Biomaterials, Volume II

Guest Editors:

Dr. Haris Nalakath Abubackar

Dr. Catarina M. Paquete

Dr. Luciana Peixoto

Dr. Tugba Keskin

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to highlight the fundamental discoveries, recent developments, and innovative research in bioprocess technologies for resource recovery from solid, liquid, and gaseous waste. We would like to invite authors to submit original and state-of-the-art critical reviews within the theme of the Special Issue, including, but are not limited to, the following:

Anaerobic digestion technology; biogas upgrading; biohydrogen production technology; pretreatment methods; bio-hythane;

Syngas fermentation: acetogens; hydrogenotrophic methanogens; carbon monoxide/carbon dioxide bioconversion; biological water gas shift reaction;

Microbial electrochemical technologies: exoelectrogens; electrotrophs; microbial fuel cell (MFC); microbial electrolysis cell (MEC); microbial electrosynthesis (MES); biosensors;

Bioproducts: biofuel (ethanol, butanol, hexanol, biogas, and biohydrogen); biochemicals; bioelectricity; biopolymers; microbial proteins;

Innovative bioreactor design; modelling; genetic and metabolic engineering; techno-economic analysis, machine learning for biochemical systems.





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Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

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Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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