



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

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submissions:

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### **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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