



Biotechnology in Use of Waste Management

Guest Editors:

Dr. Yie Hua Tan

Dr. Mostafa Ghasemi Baboli

Dr. Inn Shi Tan

Dr. Henry Chew Yee Foo

Deadline for manuscript
submissions:

closed (10 August 2023)

Message from the Guest Editors

Dear Colleagues,

One of the most challenging problems facing the world today is the ever-growing mountain of waste. Waste and the pollutants produce can leak into ground water and enter rivers. Biotechnology has applications in environmental management and medicine. One of the most promising uses of biotechnology is actually waste management. Biotechnological processes are used for wastewater treatment, disposal of solid wastes and gas treatment in environmental engineering. Also, these processes can be utilized for the biogas and hydrogen production of as new energy resources. However, currently, biotechnological process faces many hardships. There is a need to explore new pathways or processes for different applications. The waste materials can undergo chemical or physical modification to be applied in different applications or processes. The application of biotechnology in waste management is important in view of its economic and environmental benefits.

We look forward to receiving your contributions.

Dr. Tan Yie Hua

Dr. Mostafa Baboli

Dr. Inn Shi Tan

Dr. Henry Chew Yee Foo

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

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

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)