Special Issue

Sustainable Bioeconomy and Biotechnology in Waste Management

Message from the Guest Editors

A vast amount of resources have been disposed of in landfills worldwide that could still serve as a strategic reserve of raw material within the circular economy. These resources become available for society if extracted in symbiosis with relevant remediation principles, in order to avoid the pollution of the environment. The methane emissions from the waste sector represent 18% of the global whole, predominantly from landfills. It could be avoided by using biological methane degradation technology in engineered biocovers. Other biological technologies for choosing the best available options for each individual case of waste collection, sorting, recycling, and waste-to-energy are important. Solutions should be involving the triple helix approach, where NGOs, municipalities, and industry work together to attain sustainable solutions. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:
Bioeconomy;
Biotechnology;
Waste management;
Sustainable materials;
Landfills engineering;
Environmental engineering;

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2024)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/158736

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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.

Editor-in-Chief

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