

Special Issue

Techno-Sustainable Biowaste Management Strategy

Message from the Guest Editors

Dear colleague, Composting is the main treatment option in the EU for separately collected biowaste, but anaerobic digestion, with biogas production, is increasing. However, a high proportion of biowaste still ends up in the mixed waste that is incinerated, even in many countries with well-established separate collection systems. To enable biowaste to be used as a source of high-quality fertiliser and soil improver as well as feedstock for the biotechnological production value-added chemicals, it needs to be collected separately at source while keeping impurity levels low. Quality standards and quality assurance processes for compost, digestate, fertilisers and soil improvers as well as fermentation media help to build trust in them and are an integral part of a good biowaste management system. Research and innovation increasingly explore the opportunities for using biowaste, mainly from food processing, as a new source of higher-value products such as volatile fatty acids and biofuels, but many challenges remain.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2023)



Sustainability

an Open Access Journal
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Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/106869

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