



Recent Advances in Biowaste Treatment—towards a Circular Bioeconomy

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submissions:

closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

The fulfilment of current sustainable development goals is based on material and energy efficiency, reduced waste generation and greenhouse gases emissions. Design and adoption of circular economy approaches which account for sourcing, production, consumption, disposal and reuse or recycling of resources is needed to fulfil the criteria of sustainable development.

We are interested in high quality research and critical review articles on the following topics:

- Carbon neutral technologies for treatment of biowaste.
- Bioprocessing of food waste via pure culture/mixed culture fermentation, anaerobic digestion, solid state fermentation, microalgae cultivation into high-value products.
- Renewable energy recovery from food waste and sludge.
- Strategies for composting/vermicomposting, conversion to animal feed etc. using food waste.
- Nutrient recovery and fermentation strategies using sludge.
- Pyrolysis approaches for organic waste treatment.
- Techno-economic and life-cycle assessment of organic waste treatment approaches.

Dr. Guneet Kaur and Dr. Mukesh Kumar Awasthi
Guest Editors





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Editor-in-Chief

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