



Application of Biotechnology in Waste Treatment and Valorization for Energy Recovery

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Deadline for manuscript
submissions:

20 October 2024

Message from the Guest Editors

For many decades, economic development had been based on a linear model of mindless production and overconsumption of goods, which has eventually resulted in the depletion of natural resources and energy reserves, and the accumulation of huge amounts of hardly manageable wastes. Consequently, the degradation of the natural environment and insufficient energy supply is looming in the near future. Deeper understanding, however, on the consequences of such a producer–consumer culture has lately created a global trend for the adoption of new practices and measures, aiming at facilitating the transition from a linear to a circular economy, in which wastes can be reintegrated into the cycle of the production chain, serving as an alternative and valuable resource.





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