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Biotechnological Innovations for Waste/Wastewater Treatment and Energy Generation: Challenges and Opportunities

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Message from the Guest Editor

Biotechnologies offer innovative solutions that hold promise for overcoming challenges while creating opportunities for sustainable resource recovery, energy production and environment protection. The aim of this Special Issue of the international journal *Energies*, entitled “Biotechnological Innovations for Waste/Wastewater Treatment and Energy Generation: Challenges and Opportunities”, is to address the challenges of waste and wastewater management and explore the opportunities presented by biotechnological advances, particularly in the field of energy generation. This Special Issue presents advanced biotechnologies covering a wide range of approaches, including waste-to-energy conversion, biogas and biohydrogen production or electricity generation in microbial fuel cells. The topics of interest include studies on anaerobic digestion, the conversion of organic waste into biogas for energy production and the use of nutrient-rich wastewater for fertilization in agriculture.



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Special Issue



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Message from the Editor-in-Chief

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