

Special Issue

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

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.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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