

Special Issue

Waste Valorization, Green Technologies and Circular Economy

Message from the Guest Editors

Global waste generation is continuing to grow today, which entails the need to develop new strategies to convert residues into valuable materials. This affects various different sectors; for example, it is well known that one third of the world's food produced for human consumption becomes waste every year, whereas sewage sludge management requires important costs, both in economic and environmental terms. In this context, waste valorization is an excellent option to embrace the strategy of the circular economy and sustainable development. In view of the current situation, this Special Issue aims to compile the latest research on waste valorization topics, including but not limited to the following:

- Development of green technologies to waste management;
- Sludge valorization;
- Wastewater reuse;
- Obtention of bioactive compounds from food industry residues;
- Environmental assessment of waste management;
- Physical, chemical, and biological treatments for waste valorization.

Guest Editors

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Deadline for manuscript submissions

closed (20 July 2025)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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