

Special Issue

Novel Research on By-Products and Treatment of Waste

Message from the Guest Editors

The increasing demand for sustainable waste management solutions has intensified interest in the valorization of waste and by-products, as well as the development of innovative treatment technologies. This Special Issue aims to collect original research and comprehensive reviews on novel strategies for the treatment, recovery, and reuse of a wide range of waste streams and secondary materials—whether originating from industrial processes, agricultural activities, or from waste treatment operations themselves. Special attention will be given to by-products that are not always at the center of valorization strategies, such as digestates, leachates, and other residual outputs generated during processes like anaerobic digestion, composting, and wastewater treatment. Emphasis will be placed on technologies that enhance the value of these materials, including biological, physicochemical, and integrated treatment systems. Contributions related to circular economy approaches, process optimization, resource recovery, and environmental impact assessments are particularly welcome.

Guest Editors

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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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