

Special Issue

New Methods for the Valorization of Agricultural Wastes and Their Applications

Message from the Guest Editor

Traditionally regarded as an environmental burden, agricultural waste is now gaining recognition as a valuable input for sustainable agriculture, bio-based materials, renewable energy, and soil and water management strategies. The transition from waste to resource aligns with circular bio-economy principles and supports both environmental sustainability and rural economic development.

The aim of this Special Issue is to bring together recent advances and innovative approaches in the valorization of agricultural wastes, highlighting technologies and systems that enhance their conversion into value-added products. This includes (but is not limited to) biochar production, composting, anaerobic digestion, extraction of bioactive compounds, and integration into smart farming systems.

We invite cutting-edge research articles, comprehensive reviews, and case studies that explore both the scientific and practical aspects of agricultural waste valorization. An emphasis will be placed on interdisciplinary approaches that link waste management, sustainability, and agricultural system optimization.

Guest Editor

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Message from the Editor-in-Chief

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