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Converting Food Waste into Value-Added Products

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Message from the Guest Editors

Global demand for food is expected to rise by approx. 60% by 2050, while currently one-third of all food produced goes to landfill every day. Food production generates significant amounts of waste. The environmental impact of waste disposal, united with the lack of natural resources, raised interest in its valorization and the introduction of circularity. Since food waste contains a range of valuable biomolecules, it can be utilized in agriculture, food, and pharmaceutical industries. However, due to the heterogeneous nature of valorization, transforming food waste into value-added product remains a challenge. This Special Issue seeks to highlight the most recent research and innovations in the field of converting food waste into value-added product with a focus on the following:

- Novel concepts designed to support the ‘zero waste’ approach that unites economic and health benefits with environmental protection
- Specific technologies that enable transformation of food waste into value-added product
- Comprehensive understanding of bioactive compounds present in waste and their potential applications
- Future perspectives and limitations of food waste valorization



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Special Issue



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Message from the Editor-in-Chief

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