



## Research Progress and Evaluation Challenges of By-Product and Waste Valorization

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Deadline for manuscript  
submissions:

**closed (31 May 2025)**

### Message from the Guest Editors

The scope of this Special Issue will encompass the examination of different valorization processes, their potential applications, and their environmental impact assessment using green metrics. The topics of interest for this Special Issue include, but are not limited, to the following:

- Latest advancements and novel approaches in by-product valorization within the context of high value markets, such as, but not limited to, nutraceutical or cosmeceutical product development.
- Identification of new sources of bioactive compounds, extraction techniques, formulation strategies, and quality control methods.
- Evaluation of the sustainability aspects of valorization processes, emphasizing the use of green metrics.
- Evaluation of environmental, economic, and social impacts of valorization processes, such as energy and material consumption, carbon footprint, waste generation, and socioeconomic benefits.
- Comprehensive overview of current trends, challenges, and opportunities in the field of valorization of by-products and wastes into added value products.





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## Message from the Editor-in-Chief

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