

Special Issue

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

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.

Guest Editors

Dr. Carlos Miguel Henriques Ferreira

Dr. Sara Nunes Silva

Dr. Catarina Silva S. Oliveira

Dr. Alessandra Braga Ribeiro

Deadline for manuscript submissions

closed (31 May 2025)



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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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