

Special Issue

Green and Sustainable Separation of Natural Products from Plant-Derived Waste

Message from the Guest Editor

In this Special Issue, we welcome original research articles and reviews that cover, but are not limited to, the following themes: (1) innovative separation techniques—studies on novel methodologies and technologies for extracting natural products from plant-based waste, including, but not limited to, supercritical fluid extraction, microwave-assisted extraction, ultrasonic extraction, and enzymatic methods; (2) the circular economy and waste valorization—research focusing on the transformation of plant-derived waste into valuable products, contributing to waste reduction and resource recovery within the framework of a circular economy; (3) spectroscopic methods for determining the chemical potential of plant-derived waste—the application and development of spectroscopic techniques for analyzing and determining the chemical potential of waste derived from plant materials; and (4) life cycle assessment (LCA) and sustainability metrics—papers evaluating the environmental impacts associated with the separation processes, including energy consumption, carbon footprint, and overall sustainability.

Guest Editor

Prof. Dr. Daniel Pecoraro Demarque
School of Pharmaceutical Sciences, Department of Pharmacy,
University of São Paulo, São Paulo 05508-000, Brazil

Deadline for manuscript submissions

closed (31 January 2026)



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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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