

Special Issue

Sustainable Technologies in Biology and Chemistry: Biobased Products, Bioenergy and Biomass

Message from the Guest Editors

Sustainability has become a key driver in scientific advancements across biology and chemistry, particularly in developing biobased products, bioenergy solutions, and biomass valorization. The Special Issue will cover a broad spectrum of topics related to sustainable technologies, including but not limited to:

- The development and optimization of biobased products derived from renewable resources.
- Advances in bioenergy production, including biofuels, biogas, and other renewable energy sources.
- Biomass conversion technologies and their role in circular economy.
- Green chemistry approaches for sustainable material synthesis and processing.
- The role of biotechnology in improving biomass utilization and efficiency.
- Feasibility studies and their results related to the implementation and scalability of sustainable technologies.
- Life cycle assessments and sustainability evaluations of biobased and bioenergy systems.
- Policy, economic, and regulatory aspects influencing the transition to sustainable biological and chemical technologies.

This Special Issue aims to bridge the gap between fundamental research and industrial applications.

Guest Editors

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Deadline for manuscript submissions

30 September 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/233394

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About the Journal

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

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