

Special Issue

Sustainable Biotechnology Approaches: Bioprospecting Nature for a Thriving Bioeconomy

Message from the Guest Editors

With this Special Issue, we aim to address the most significant studies on bioprospecting and sustainable bioprocesses. We are convinced that the so-long-expected green revolution relies on the biotechnological potential of biodiversity. For bioeconomy to become a reality, it is imperative to preserve natural environments and to go deep into the ecology, biochemistry, and physiology of microbes, plants, and animals in their own ecosystems. We welcome submissions of original research and review papers that fit into, but are not restricted to, the following topics:

- Microbial biodiversity;
- Biotechnological potential of indigenous microorganisms;
- Plants, natural products, and bioactive compounds;
- Searching for new molecules in wild animals;
- Employing wild microorganisms and wastes with a circular economy perspective;
- Biorefinery processes carried out with nature-isolated microorganisms.

We invite researchers from distinct fields to contribute a manuscript to this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2025)



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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

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