Special Issue

Bioeconomy: Current Trends, Challenges, and Future Prospects

Message from the Guest Editor

The climate crisis across the globe has driven interest towards the production of biochemicals and bioenergy from renewable resources. The sustainable use of bioresources will pave the way to the decarbonisation of our society and reduced dependency on fossil-based resources. Unleashing the economic potential of marine and forest eco-systems will boost the bio-based economy, while addressing the climate crisis. Utilizing biological resources and their by-products for the production of value-added products through fermentation and bio-catalysis results in a decrease in energy and water consumption, and in a reduction of toxic waste. This Special Issue invites outstanding contributions from researchers exploring marine and forest bioresources for developing a sustainable bioeconomy. Specific interests of the Special Issue include the following:

- Bio-based chemicals from forest residues
- Bioactives from micro- and macro-algae
- Biofuels from agro-industrial wastes for circular economy
- Life cycle and sustainability analysis

Guest Editor

Dr. Sarat Chandra Togarcheti
School of Chemistry, Trinity College Dublin, The University of Dublin, College Green, Dublin 2, Ireland

Deadline for manuscript submissions

closed (30 November 2021)

Clean Technologies

an Open Access Journal by MDPI

Impact Factor 4.7
CiteScore 8.3

mdpi.com/si/69819

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

mdpi.com/journal/cleantechnol

MDPI

Clean Technologies

an Open Access Journal by MDPI

Impact Factor 4.7
CiteScore 8.3

mdpi.com/journal/cleantechnol

About the Journal

Message from the Editor-in-Chief

Clean Technologies (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

Editor-in-Chief

Prof. Dr. Patricia Luis Alconero
Materials & Process Engineering, UCLouvain, Place Sainte Barbe 2, 1348 Louvain-la-Neuve, Belgium

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Environmental Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 33.7 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the first half of 2025).

MDPI