



Upcycling Biowaste into Biobased Products

Guest Editors:

Dr. Elli Maria Barampouti

Unit of Environmental Science & Technology, School of Chemical Engineering, Zographou Campus, National Technical University of Athens, 15780 Athens, Greece

Dr. Sofia Th. Mai

Unit of Environmental Science & Technology, School of Chemical Engineering, Zographou Campus, National Technical University of Athens, 15780 Athens, Greece

Deadline for manuscript submissions:

closed (10 October 2024)

Message from the Guest Editors

Dear Colleagues,

In order to successfully transition to a sustainable, biobased society and circular economy, the implementation of processes able to recover biofuels as well as bioproducts from renewable raw materials is of vital importance. Novel and emerging processing technologies can enable the recycling and valorisation of biowaste into higher-value biobased products, thereby generating significant economic, social and environmental benefits.

Thus, this Special Issue aims to focus on upcycling biowaste into biobased products to communicate up-to-date knowledge to experts working in the field, as well as interested readers. The goal of this Special Issue is to outline the optimal use of biowaste for the production of a wide array of biobased products by demonstrating innovative technologies. The ultimate goal is to showcase possible pathways with the potential to boost the integration of a zero-waste circular economy, reduce resource depletion and as create job opportunities, and bring to light the main regulatory barriers and technical and financial hurdles faced during the development.

Dr. Elli Maria Barampouti

Dr. Sofia Th. Mai

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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. *Sustainability* publishes original research articles, review 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI