Special Issue

Sustainable Food Waste Valorisation by Membrane Technology

Message from the Guest Editors

The main purpose of this Special Issue is to highlight and focus on the importance of membrane processes in the valorisation of agri-food wastes. These waste materials can be solids or liquids that are created from the pruning of plants in fields/glass houses, the processing of raw materials or because these plant materials do not comply with industrial quality assurance standards. This Special Issue will not only address the recovery of compounds from such waste materials, but will also cover the new membrane materials that can facilitate the isolation of such compounds, how these technologies can be integrated with other pre- and post-treatment steps and the use of natural polymers for membrane fabrication. It will provide evidence of energy and resources required for the recycling of the solvents used for the initial extraction of these compounds. These are the main key areas that will be able to lead us to a more sustainable future, and you are very welcome to participate in this Special Issue.

- membrane processes
- agri-food waste valorisation
- low-energy technologies
- value-added products from wastes
- bio-based economy

Guest Editors

Dr. Emmanouil Papaioannou

Department of Engineering, Lancaster University, Lancaster, UK

Dr. Lidietta Giorno

National Research Council of Italy, Institute on Membrane Technology, CNR-ITM Via P. Bucci 17/C, 87036 Rende (CS), Italy

Deadline for manuscript submissions

closed (28 February 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/63287

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

