



## Sustainable Food Waste Valorisation by Membrane Technology

Guest Editors:

**Dr. Emmanouil Papaioannou**

Department of Engineering,  
Lancaster University, Lancaster,  
UK

[e.papaioannou@lancaster.ac.uk](mailto:e.papaioannou@lancaster.ac.uk)

**Dr. Lidietta Giorno**

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

[lidietta.giorno@cnr.it](mailto:lidietta.giorno@cnr.it)

Deadline for manuscript  
submissions:

**31 October 2021**

### 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. Membrane technologies have a number of advantages.

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.





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. 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.

## 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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

**Journal Rank:** [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

## Contact Us

---

*Sustainability*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[@Sus\\_MDPI](https://twitter.com/Sus_MDPI)