



Food Waste and Circular Economy: Challenges and Opportunities— Second Edition

Guest Editors:

Dr. Taghi Miri

School of Chemical Engineering,
University of Birmingham,
Birmingham B152 TT, UK

Dr. Helen Onyeaka

School of Chemical Engineering,
University of Birmingham,
Birmingham B152 TT, UK

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to promote research on food sustainability and the circular economy, exploring new directions and innovative solutions. We invite manuscripts that critically examine how digital technologies, advanced scientific innovations, and systemic changes can enable circularity in the food system. Potential topics include, but are not limited to, the following:

- Redesigning food systems based on circular economy principles, such as regenerative agriculture, closed-loop production, and sustainable sourcing.
- Valorisation, recovery, and reuse of food waste and by-products through innovative technologies and business models.
- Life cycle assessment-driven strategies for minimizing food waste and maximizing resource efficiency across the entire food value chain.
- The role of AI, digital infrastructure, data-driven decision-making, and Industry 4.0 technologies in enabling the circular economy in the food sector.



mdpi.com/si/200051

Dr. Taghi Miri
Dr. Helen Onyeaka
Guest Editors

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

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)