



Food Waste and Circular Economy: Challenges and Opportunities

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Deadline for manuscript
submissions:

closed (10 April 2024)

Message from the Guest Editors

Dear Colleagues,

The existing food and farming system contributes toward huge food waste and degradation of natural resources, i.e. land, water, and soil. Recently, there has been significant worldwide movement, driven by the Ellen MacArthur Foundation, to develop circular economy (CE) frameworks for various sectors, including food. However, CE cannot be accomplished merely by introducing recycling or recovery operations in parts of the system. A drastic alteration is urgently needed across the system to ensure that it fits the purpose for the future.

This Special Issue aims to push research on food sustainability and CE forward and toward new directions. We invite manuscripts that critically examine how digital technologies and advanced scientific and technological innovations can enable circularity. These topics include but are not limited to:

- Food system re-design based on CE principles;
- Food waste valorization, recovery and reuse;
- Life cycle assessment-driven minimization of food waste;
- Digital infrastructure and CE in food.

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