Special Issue

Circular Economy in Agriculture through Waste Valorization and Recycling

Message from the Guest Editors

The aim of this Special Issue is to address the reduction in waste generation, promote resource efficiency, increase the sustainability and resilience of agricultural and agri-food systems, and contribute to the development of a circular bioeconomy. In particular, this Special Issue welcomes contributions that address various aspects related to the conversion of linear agricultural and agri-food systems into circular ones. This includes, but is not limited to, studies on waste valorization technologies, innovative biorefinery processes, waste-to-energy conversion methods, resource recovery and upcycling strategies, and circular economy business models in the agricultural and agrifood sectors.

We are seeking contributions that demonstrate work towards creating a more sustainable, efficient, and resilient agri-food sector that maximizes the value of resources, minimizes waste generation, and contributes to a more circular economy. Join us in this mission to transform our linear agricultural and agri-food systems into circular ones for a more sustainable future.

Guest Editors

Dr. Carlo Greco

Department of Agricultural, Food and Forest Sciences, University of Palermo, 90128 Palermo, Italy

Dr. Vito Armando Laudicina

Department of Agricultural, Food and Forest Sciences, University of Palermo, 90128 Palermo, Italy

Deadline for manuscript submissions

closed (31 March 2025)



an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



mdpi.com/si/206291

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

mdpi.com/journal/agronomy





an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

