

Special Issue

Innovative Machinery for Climate-Smart Agriculture

Message from the Guest Editors

This Special Issue will explore the development and implementation of cutting-edge agricultural machinery and technologies designed to address the impacts of climate change. These advanced machines and technologies will play a crucial role in reducing greenhouse gas emissions, optimizing the use of resources, and enhancing the adaptability of farming systems to evolving climatic conditions. We welcome the submission of original research articles and reviews that focus on the design, deployment, and effectiveness of innovative agricultural machinery in mitigating the impacts of climate change. This includes technologies and practices that enhance soil and water conservation, reduce our dependence on non-renewable resources, and integrate renewable energy sources into agricultural practices. In this collection, we aim to highlight the critical role that advanced agricultural machinery will play in the transition to climate-smart agriculture, providing insights into how these innovations can help create a more sustainable and climate-resilient agricultural future.

Guest Editors

Dr. Valentin Vlăduț

Dr. Iuliana Găgeanu

Dr. Mihai Gabriel Matache

Deadline for manuscript submissions

25 February 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



mdpi.com/si/214386

Agriculture

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)