

Special Issue

Artificial Intelligence as a Support for Forecasting in Sustainable Agriculture

Message from the Guest Editors

We invite you to contribute to the Special Issue **“Artificial Intelligence as a Support for Forecasting in Sustainable Agriculture”**. As global populations grow and climate challenges intensify, modern solutions like artificial intelligence (AI) and machine learning are essential for improving agricultural forecasting. These tools help farmers make better decisions on crops, resource management, and adapting to environmental changes. AI-enabled forecasting can predict crop yields, quality traits (e.g., nutrient content, disease susceptibility), and optimize pest and disease management. It also supports sustainable practices by analyzing soil conditions (pH, moisture, nutrients) and forecasting resource needs (water, fertilizers, pesticides). We welcome researchers, practitioners, and industry professionals to share their insights and innovations. Join us in shaping the future of sustainable agriculture. We look forward to receiving your applications.

Guest Editors

Prof. Dr. Gniewko Niedbała

Department of Biosystems Engineering, Faculty of Environmental and Mechanical Engineering, Poznań University of Life Sciences, Wojska Polskiego 50, 60-627 Poznań, Poland

Dr. Magdalena Piekutowska

Department of Geoecology and Geoinformation, Institute of Biology and Earth Sciences, Pomeranian University in Słupsk, 27 Partyzantów St., 76-200 Słupsk, Poland

Deadline for manuscript submissions

30 September 2025



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/228779

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

mdpi.com/journal/

agronomy





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



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



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)