Special Issue

A Model-Based Approach to Crop Yield Forecasting and Predictive Mapping of Soil Properties in Precision Agriculture

Message from the Guest Editor

Precision agriculture stands at the forefront of transformative innovations, revolutionizing how we approach crop management and soil optimization. This Special Issue is dedicated to unraveling the intricacies of a model-based approach, a paradigm that holds immense potential in advancing our understanding of two critical facets: crop yield forecasting and predictive mapping of soil properties. This Special Issue is a call to action for researchers and professionals passionate about shaping the future of precision agriculture. We invite submissions that showcase innovative models, methodologies, and case studies related to crop yield forecasting and predictive mapping of soil properties. Share your expertise and contribute to the collective knowledge that propels the field forward.

Guest Editor

Dr. Kingsley John
Faculty of Agriculture, Dalhousie University, Truro, NS, Canada

Deadline for manuscript submissions

closed (31 May 2025)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/192900

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

MDPI

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)