

Special Issue

Advanced Technologies in Precision Processing and Modeling in Agriculture

Message from the Guest Editor

Subjects advisory to the participants in proposed special issue ☐ Evaluation and management of crop production by remote sensing. Comparison of models for crop and biomass production. Optimization models for crop production. Remote sensing for assistance and completion of data to run models. Phones and Steel Cameras Tractors , Drones ultralight aircraft and satellites. Target group of growers for precision agriculture: Owners of small, medium and large farmers. A precision agricultural economy Increasing the yield of viable prices. Optics Wavelengths: RGB belt multi-spectral and hyper-spectral cameras. Resolution , Pixel size and relation to field sizes Orchards VS Field Crops. Optimizing the use of water. Optimizing the use of fertilizer. Optimization and management of crops production with the help of precise agriculture. Protection of natural vegetation Protection of agricultural crops from diseases and pests Prevention of excess fertilization transport to groundwater table Public Health: Prevention of pesticides transport to populated areas

Guest Editor

Prof. Dr. Jiftah Ben-Asher

Associates Institute for Agriculture and Biotechnology of Dryland, The Jacob 4 Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede Boqer Campus, 5 8499000 Midreshet Ben-Gurion, Israel

Deadline for manuscript submissions

closed (31 January 2023)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.2



mdpi.com/si/71786

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

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





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.2



[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 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)