Smart Decision-Making Systems for Precision Agriculture

Guest Editors:

Dr. Jaume Arnó
Research Group in AgroICT & Precision Agriculture, University of Lleida, 25198 Lleida, Spain

Prof. Dr. José A. Martínez-Casasnovas
Research Group in AgroICT & Precision Agriculture, University of Lleida, Agrotecnio-CERCA Center, 25198 Lleida, Spain

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

Precision Agriculture (PA) is an agricultural management strategy that aims to improve resource efficiency, productivity and quality based on a better understanding of the spatial and temporal variability that is usually inherent in many farms. Acquisition of spatial and temporal data is essential as a starting point for which farmers usually have a wide variety of proximal and remote sensors, in addition to global navigation satellite systems to georeference all these data. However, moving from sensor data to piece of information, intermediate stages must be addressed in order to make the best agronomic decision. Thus, data processing, mapping, data analysis, delineation of management zones or prescription map creation are steps to be solved before using variable-rate devices installed on agricultural equipment. This Special Issue aims to contribute to the dissemination of new research findings related to the above, such as data processing and data analysis in the spatial and temporal domains, decision support, delineation of potential management zones, agricultural internet of things (IoT), Agro Big Data, and efficient sampling methods in forecasting tasks.

Special Issue

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

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.

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)

Contact Us