Special Issue

Remote Sensing in Agriculture

Message from the Guest Editor

The use of satellite-based remote sensing, robotics, drones, farm automation, etc. are expected to gain momentum in coming days as these technologies are the keys for smart agriculture. *We are at the brink of a paradigm shift in agricultural sector and will see the inclusion of advanced technologies for climate-smart production systems and precision agriculture at a higher rate of adoption.* Hence, it is important to learn and gather information on related research in different parts of the world and collectively utilize that knowledge and outcome for the improvement of agricultural practices. The Special Issue would include study areas such as sensor-based technologies for soil-, weed-, insect-, disease-mapping, phenotyping, varietal evaluations and genetic improvements, water-management, and other sensor-based applications in crop and range lands. Articles on the use of LiDAR, vegetative indices, RGB-, hyperspectral-, multi-spectral- and thermal-imagery are highly encouraged. Methods and approaches that utilize artificial intelligence programming and neural networks for real-time decision making for farm operations would also be considered.

Guest Editor

Dr. Vijay Singh

Virginia Polytechnic Institute and State University, Eastern Shore Agricultural Research and Extension Center 33446 Research Dr., Painter, VA 23420, USA

Deadline for manuscript submissions

closed (31 August 2021)

Agronomy

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)