agronomy

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 6.7

Role of Smart Sensors and Control Systems in Agriculture

Guest Editor:

Dr. Chandra B. Singh
Centre for Applied Research, Innovation and Entrepreneurship (CARIE), Lethbridge Collge, Lethbridge, AB T1K 1L6, Canada

Deadline for manuscript submissions:
closed (5 February 2022)

Message from the Guest Editor

The world population is expected to reach 9.8 billion by 2050 from the current level of 7.6 billion, which will significantly increase the food demand. New developments in digital technology can help us to meet the increased crop demand in a sustainable way. A smart agriculture production system developed by a technology-driven crop management method that integrates internet of things (IOT), wireless sensing technology, cloud-based monitoring and cloud computing, big data analytics, artificial intelligence (AI), machine learning, mathematical modeling, machine vision, automation, and precision agriculture can significantly increase crop yield with optimum use of natural resources (fertilizers, seeds, nutrients, water, pesticides, and energy), minimize pre/postharvest losses, and increase farm operation efficiency and income. We invite researchers to publish their research work related to the application of IOT, AI, machine learning, smart sensing and automation technologies in areas of field crop production, horticulture, green house production, irrigation, and postharvest storage and handling.

agronomy

IMPACT FACTOR 3.4

CITESCORE 6.7

an Open Access Journal by MDPI

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), GEOBASE, PubAg, AGRIS, and other databases.
Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
𝕏@Agronomy_Mdpi