Special Issue

IoT in Agriculture

Message from the Guest Editors

Technological developments have reached the agricultural sector to facilitate people's lives and streamline processes. The use of advanced technologies allows tracing, monitoring, automation and data analysis operations and can be divided into three main strands. The first one concerns the integration between hardware elements, including connectivity networks for specialized automation applications (robots, drones, sensors, among others), and software, in which machine-to-machine (M2M) and IoT (Internet solutions of Things) can be applied to irrigation systems, greenhouse monitoring, livestock, soil management and scanning. The second aspect is related to the collection and storage of large volumes of data (big data) produced by systems in the field that require high storage capacity in a data center, fast access to data and attention to availability, reliability and security of information. Finally, it is important to add the aspect related to data analytics systems in support of decision making and the construction of predictive management models, based on the Cloud as a service platform.

Guest Editors

Dr. Salviano Pinto Soares

1. ECE PhD Director, Engineering Department, School of Sciences and Technology, University of Trás-os-Montes and Alto Douro (UTAD), Vila Real, Portugal
2. IEETA—Institute of Electronics and Informatic Engineering of Aveiro, Aveiro, Portugal

Dr. Antonio Valente

1. School of Sciences and Technology-Engineering Department (UTAD), 5000-801 Vila Real, Portugal
2. INESC TEC, Campus da Faculdade de Engenharia da Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

Dr. Filipe Cabral Pinto

Altice Labs, 3810-106 Aveiro, Portugal

Deadline for manuscript submissions

closed (30 September 2021)

AgriEngineering

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.7

mdpi.com/si/70670

AgriEngineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriengineering@mdpi.com

mdpi.com/journal/agriengineering

AgriEngineering

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.7

mdpi.com/journal/
agriengineering

MDPI

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Mathew G. Pelletier
Retired Scientist from Agricultural Research Service, United States Department of Agriculture, Lubbock, TX, USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, FSTA, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Agricultural Engineering) / CiteScore - Q1 (Horticulture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 5.4 days (median values for papers published in this journal in the first half of 2025).