



IoT in Agriculture

Guest Editors:

Dr. Salviano Pinto Soares

Dr. Antonio Valente

Dr. Filipe Cabral Pinto

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Francesco Marinello
Department of Land, Environment,
Agriculture and Forestry,
University of Padova, 35020
Legnaro, Padova, Italy

Message from the Editor-in-Chief

AgriEngineering (ISSN 2624-7402) is an international open access, open-source, and cross-disciplinary scientific journal on the engineering science of agricultural and horticultural production. Our aim is to encourage scientists to publish their experimental and theoretical research, along with the full set of schematics, source-code, and mechanical design models leading to accelerated and rapid dissemination of leading-edge technologies emerging in agricultural, environmental, and agronomic engineering. *AgriEngineering* publishes articles, technical notes, reviews, commentaries, and case/field reports, as well as Special Issues on particular subjects.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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)

Contact Us

AgriEngineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/agriengineering
agriengineering@mdpi.com
[X@AgriEng_Mdpi](#)