

Special Issue

Precision Agriculture Meets IoT: Advanced Detection Systems for Crop Health

Message from the Guest Editors

Using the Internet of Things (IoT) can help farmers implement sophisticated sensing systems to monitor crop health remotely and in real-time. Advances in IoT technology have provided new capabilities that can be incorporated into precision agriculture, such as disease detection, monitoring of soil and environmental conditions, and optimization of water and fertilizer use. These systems provide, through remote communication between nodes, enable the farmer to intervene in the field, either automatically or manually using decision-making systems. These monitoring systems incorporate sensors to collect field data. The data are transmitted to the central nodes where they are analyzed and processed. In some cases, data analysis and processing, which may be carried out using artificial intelligence and machine learning, allow for the timely detection of problems and accurate assessment of crop conditions. This Special Issue aims to bring together recent developments and applications of the Internet of Things (IoT) and precision agriculture for advanced detection systems in crop health and original research articles and reviews are welcome.

Guest Editors

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About the Journal

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.

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