Special Issue

Internet of Things in Agriculture

Message from the Guest Editor

We are inviting submissions to the Special Issue on Internet of Things in agriculture. Internet of Things (IoT) in agriculture enables sensor–actuator to be sensed and controlled remotely, creating opportunities for more direct integration between agriculture and artificial intelligence (AI). Sensors, such as micro weather stations, connect to and interact with the backend in the cloud via the internet. Actuators can be remotely controlled in real time, and can include anything from pumps, bulbs, cooling fans, etc. AI utilizes the data from sensors to smartly control actuators. Therefore, IoT is about the power of data. Data from sensors can guide AI's decisions, helping AI to derive the correct prediction and adapt more quickly to changing conditions, which saves time and labor on routine farm checks. Besides, the yield can also be improved through data analytics and AI techniques. Keywords

- Internet of Things
- agriculture
- Artificial Intelligence
- disease detection / prediction
- pest management
- irrigation management
- fertilizer management
- soil microbiome
- yield prediction

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2022)

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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