Special Issue

Smart Farming: Monitoring Sensor Data

Message from the Guest Editors

During the last decade, a new movement to implant digital technology into agriculture was born, which is known as precision agriculture. It aims to optimize the yield per unit of farming land by using ICT tools and technologies. The objective of precision agriculture is to achieve the best products concerning quality, quantity and economic conditions. Traditionally, precision agriculture makes use of sensors to monitor environmental conditions. To attain this objective, networks of these sensors are created to cover larger areas. Precision agriculture is not only attached to deploying on-site sensors but involving many areas related to robotics, computer science, and remote sensing. This Special Issue will collect contributions on new ICT approaches in the area of precision agriculture (or smart farming) including wireless sensor networks, Internet of Things, smartphones, big data; information infrastructures, open data, location base services, agriculture knowledge models and decision support systems, sensors for agriculture, and geostatistical analysis.

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Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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