Special Issue

New Developments in Smart Farming Applied in Sustainable Agriculture, 2nd Edition

Message from the Guest Editors

Smart farming is a relatively new farming management concept marking the evolution from precision to digital agriculture. Many techniques and tools, such as Artificial Intelligence, the Internet of Things, big data analysis, machine learning, modern communication technologies, GNSS and Earth observation systems, drones, robots and automation systems, are employed to make modern agriculture more “intelligent” and “smart”. Some of the topics of interest in this Special Issue include (but are not limited to):

- Smart farming technologies for sustainable crop, animal, and fish production;
- Sustainable, data-driven agri-food supply chain;
- Remote sensing for sustainable smart farming modeling and optimization of agricultural processes;
- Modeling and optimization of automation and robotization systems for sustainable farming;
- Smart sensors and the Internet of Things for sustainable agriculture;
- Decision support systems and data analysis in sustainable agriculture;
- Artificial intelligence, machine learning, and deep learning application for sustainable agriculture;
- Cloud computing and big data analysis in the sustainable agri-food sector.

Guest Editors

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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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