Information and Communication Technologies (ICTs) in Food and Environment

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Message from the Guest Editor

So far, substantial progress has been made in research, development, and the use of new Information and Communication Technologies (ICTs) in the Food and Environmental sciences. Innovative experiments are used as key instruments to mature ICTs, meeting end-user needs, to demonstrate agro-robotics solutions, increasing technology integration, as well as to test and improve the network quality and services. Further, recent satellite imagery advances combined with ground-based data and spatial mapping tools can make an enormous difference to agricultural decision making at global, national, and local levels, by providing more timely and accurate information, particularly for smallholder farming systems.

Topics of this Special Issue include but are not limited to:

- long-range, low-energy, and low-cost sensor network technologies
- precision Agriculture (PA) and UAV applications
- robots in the agri-food sector
- smart technologies and the environment
- algorithms and applications on insect identification
- machine learning applications in agriculture and food security
- applications on crop yield mapping and monitoring
- crop type/land mapping methods for smallholder farming systems

Special Issue

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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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