# IoT in Agriculture

Guest Editors:

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## Message from the Guest Editors

Dear Colleagues,

Technological developments have reached the agricultural sector to facilitate people's lives and streamline processes. The use of advanced technologies allows tracing, monitoring, automation and data analysis operations and can be divided into three main strands. The first one concerns the integration between hardware elements, including connectivity networks for specialized automation applications (robots, drones, sensors, among others), and software, in which machine-to-machine (M2M) and IoT (Internet solutions of Things) can be applied to irrigation systems, greenhouse monitoring, livestock, soil management and scanning. The second aspect is related to the collection and storage of large volumes of data (big data) produced by systems in the field that require high storage capacity in a data center, fast access to data and attention to availability, reliability and security of information. Finally, it is important to add the aspect related to data analytics systems in support of decision making and the construction of predictive management models, based on the Cloud as a service platform.

**Special** Issue