Special Issue

Smart Farming in Service of Modernizing Agriculture

Message from the Guest Editors

Smart farming represents the application of modern information and communication technologies (ICT) to agriculture and is based on a precise and resource-efficient approach attempting to sustainably achieve higher efficiency in agricultural production with increased quality. Smart farming includes farm management information systems (FMIS), precision agriculture (PA) systems, agricultural automation and robotics. This Issue aims to discuss various aspects of smart farming applications, technologies, and management methods, including state-of-the-art technologies applied in different cropping systems, agronomic models to interpret precision agriculture measured data, economic implications and adoption of smart farming in all agricultural activities. We invite you to contribute to this Issue by submitting broad reviews, case studies, or research articles that focus on scientific methods, technological tools, and innovative statistical analyses to learn about the state-of-the-art and discuss future directions in smart farming.

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