

Special Issue

The New Agricultural Revolution: From Traditional Farms to Smart Agriculture—New Technologies in Agriculture 5.0

Message from the Guest Editors

The wide variety of sensors that are being used in agriculture generate a huge volume of data. The analysis of these data is done using a special technique known as big data, a new discipline for processing massive data. This discipline uses artificial intelligence (AI) techniques, predictive systems, models, neural networks, and other tools designed to support the decision-making processes. The use of new sensors in agriculture, its communication protocols based on IoT technology (wifi, LoRa, Sigfox, NBLoT, etc.) supported by cloud database and cloud computing, together with these new data processing tools, have resulted in what is known as Agriculture 5.0. More specifically, we invite you to contribute to this Issue by submitting original research related to everything concerning the technological aspects and digitisation processes involved in Agriculture 5.0, such as: sensors development and its connectivity, IoT communication protocols, open data, cloud database and computing, big data, AI, predictive systems, and decision-making tools.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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Editor-in-Chief

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