Special Issue

The Future of Artificial Intelligence in Agriculture

Message from the Guest Editors

The world of agriculture is undergoing a profound transformation, which many believe will be as impactful as previous agricultural revolutions. The ability to more precisely monitor crops and control irrigation, fertilization, and treatments at a much finer granularity than before, is enabling the use of land previously not considered for agricultural purposes, optimizing the use of resources and maximizing the health of plants and the yield of crops. Utilizing information retrieval and processing technologies such as blockchain, IoT, machine learning, deep learning, cloud computing, and edge computing is advantageous. Artificial Intelligence techniques such as deep learning as well as optimization techniques using evolutionary algorithms broaden and extend their application scope. Their application to the agriculture domain is constantly growing. Artificial Intelligence is the current technology that is assisting farmers in minimizing crop losses by providing rich crop-related recommendations and insights. This Special Issue aims to publish extended versions of papers in the area of Artificial Intelligence.

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