

Special Issue

Smart Decision-Making Systems for Precision Agriculture

Message from the Guest Editors

Precision Agriculture (PA) is an agricultural management strategy that aims to improve resource efficiency, productivity and quality based on a better understanding of the spatial and temporal variability that is usually inherent in many farms. Acquisition of spatial and temporal data is essential as a starting point for which farmers usually have a wide variety of proximal and remote sensors, in addition to global navigation satellite systems to georeference all these data. However, moving from sensor data to piece of information, intermediate stages must be addressed in order to make the best agronomic decision. Thus, data processing, mapping, data analysis, delineation of management zones or prescription map creation are steps to be solved before using variable-rate devices installed on agricultural equipment. This Special Issue aims to contribute to the dissemination of new research findings related to the above, such as data processing and data analysis in the spatial and temporal domains, decision support, delineation of potential management zones, agricultural internet of things (IoT), Agro Big Data, and efficient sampling methods in forecasting tasks.

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