Special Issue

Crop Management and Productivity by Remote Sensing for Sustainable Agricultural Systems

Message from the Guest Editor

The increase in the world's population and the future scenarios derived from climate change mark the challenges for society: sustainable development and food security. Agriculture constitutes a determining element in economic and social development, although it is necessary to improve the efficient use of natural resources and production inputs, reducing the impact on the environment. This objective will be achieved to a greater extent by increasing the productivity of agricultural systems, according to FAO estimates. In this context, real-time phenology monitoring is necessary to react to changing conditions and reduce the impact on crop production. One way to reduce food production shortages and ensure food security is the use of crop yield prediction and crop management monitoring. A tool capable of helping to achieve this is remote sensing applied to agronomy, since the information provided in a non-destructive and systematic way allows the spatial and temporal characterization of the main properties of agricultural systems.

Guest Editor

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