

Special Issue

Precision Farming and Control of Crop Production Series II

Message from the Guest Editors

The development of the technologies over the past few decades has made available platforms and sensors useful to acquire more and more accurate data from the observation of the terrestrial surface for what concerns both geometry and radiometry. In this context, agriculture is one of the primary fields of application of the Earth observation techniques. Data from remote sensors can provide relevant information about the development and the conditions of agricultural crops thanks to the availability of multi- and hyperspectral sensors. Precision farming, born of a need for a rational use of resources, is based upon the availability of very detailed and spatially distributed information relative to the conditions and the state of the crops in the field. Therefore, it is possible to determine some of the characteristics of vegetated surfaces on the basis of their interaction with the incident solar radiation (part of the electromagnetic spectrum visible/infrared near and medium) and/or on the basis of the emitted radiation (part of the electromagnetic thermal infrared spectrum).

Guest Editors

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