



Remote and Proximal Sensing for Supporting the Optimization and Adaptation of Cultural Practices in Sustainable Agriculture

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Message from the Guest Editors

A key concept in the much-needed agricultural transformation is the adaptation of new types of cultural practices, exploiting the technological innovations of our era. The digitization of the agricultural sector has gained momentum the last decades, exploiting technological advances such as customized machinery, Internet of Things (IoT) solutions and Artificial Intelligence (AI) workflows. Within this context, remote and proximal sensing play a pivotal role, since they provide a wealth of information that can support the necessary adaptation of cultural practices towards a more sustainable agriculture, with reduced environmental footprint and with care for human health. Various remote sensing applications provide support towards the adaptation of cultural practices: monitoring or estimating current state, predicting risks, identifying deficiencies and diseases, forecasting yield, etc. The purpose of this Special Issue is thus to collect contributions proposing innovative solutions for supporting cultural practices in all sectors of agriculture, based on remote and/or proximal sensing technologies.





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