



Deep and Machine Learning Applications in Remote Sensing Data to Monitor and Manage Crops Using Precision Agriculture Systems

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Message from the Guest Editors

Dear Colleagues,

With the evolution of orbital and proximal remote sensing technologies, a big data that must be converted to information is being generated in the agricultural sector. These data when analyzed with machine and deep learning approaches applied to remote sensing products have been recently used with success. The computational power using cloud based systems and recent advances on farm machinery equipments providing data collection, processing and analysis open up several opportunities of development and adoption of new technologies. New equipment, sensors are enabling a better crop monitoring and land use map as well in a regional scale. The intent of this topical edition of Remote Sensing is to convey publications from collaborators that are working with a big pool of data that is being analyzed using deep and machine learning approaches in Precision Agriculture and also to improve regional scale remote sensing applications.

