Special Issue

Art of Spectra: At the Crossroad of Agriculture and Remote Sensing Disciplines

Message from the Guest Editors

Regional-scale agricultural monitoring is of great significance to agricultural production, which is the focus of global attention. Spectral information ranging from UV to microwave can be used in agriculture monitoring. Driven by deep learning and artificial intelligence technology, the potential of remote sensing application in agriculture is unprecedented. This Special Issue seeks to present innovative research in using remote sensing and other cutting-edge technologies, such as machine learning and data fusion, for agricultural monitoring. The topics include, but are not limited to, the following:

- Crop mapping
- Crop growth monitoring
- Crop production evaluation
- Agricultural disaster monitoring
- Drought early warning
- Crop water deficient detection
- Assimilation of remote sensing data to crop growth model
- Sun induced fluorescence application in agriculture

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