



Advances in Deep Learning in the Retrieval of Key Parameters of Agrometeorological Remote Sensing

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Message from the Guest Editors

Considering the potential and significance of deep learning in the fields of geology and agriculture, in order to promote the application of artificial intelligence in the fields of geology and agriculture, it is necessary to accelerate the deep integration of artificial intelligence and remote sensing technology, provide key technical support for meteorological forecasting, agricultural monitoring, and agricultural disaster prediction, and thus facilitate global disaster monitoring and food security. This Special Issue aims to study the application of artificial intelligence methods in the retrieval of remote sensing key parameters in geology and agriculture. Topics may address anything from the retrieval of surface temperature or soil moisture, to atmospheric water vapor content and rainfall in the atmosphere.

Articles may address, but are not limited, to the following topics:

- Surface Temperature
- Near-Surface Air Temperature
- Surface Emissivity
- Soil Moisture
- Vegetation Moisture Content
- Water Vapor Content
- Precipitation
- LAI
- Drought and Flood





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