# **Special Issue**

### Evapotranspiration Model Based on Remote Sensing and Ground Station Observation Data and Its Application in Agriculture

#### Message from the Guest Editors

Evapotranspiration (ET) is a critical component of the water cycle and plays a vital role in water resource management and crop growth in agricultural ecosystems. However, due to the complexity of factors influencing the process, including soil properties, weather conditions, vegetation growth, and irrigation practices, there are still challenges in accurately modeling ET. This Special Issue aims to advance the understanding of the complex factors influencing the ET process and provide valuable insights into crop water use and irrigation management in agricultural production. The contributions may include (but are not limited to) the following topics:

- New methods and algorithms for estimating ET using remote sensing data;
- Advances in ground-based ET measurement techniques and data assimilation;
- Applications of ET modeling in precision irrigation management, drought monitoring, and water resource management;
- Evaluation of the accuracy and uncertainty of ET models and data products;
- Use of ET modeling for predicting crop yield and growth under different environmental and management conditions.

#### **Guest Editors**

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#### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peerreview process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

#### Editor-in-Chief

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