# Special Issue

# Advances in Remote Sensing Applications of Evapotranspiration

## Message from the Guest Editor

Evapotranspiration (ET) is a critical process linking the hydrological and energy cycles which plays a key role in water resource management, agricultural irrigation planning, and ecological conservation. This Special Issue aims to showcase the latest progress in remote sensing-based ET estimation, addressing existing challenges and exploring future research directions. Original research articles, review papers, and technical investigations are welcome, focusing on topics including but not limited to the following:

- Validation and evaluation of remote sensing products with in situ measurements;
- Application of remote sensing technologies for ET estimation in various environments;
- Advancements in models and algorithms for ET estimation and partitioning;
- Investigations of the impact of climate change and human activities on ET dynamics;
- Estimation of ecological water requirements and water resource allocation strategies;
- Water use efficiency and conservation strategies supported by remote sensing.

## Guest Editor

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## Deadline for manuscript submissions

closed (20 April 2025)

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# About the Journal

## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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