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Advances in Remote Sensing Estimation of Evapotranspiration in Dryland Regions

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Message from the Guest Editor

Dryland regions are highly sensitive to climate change and human activities due to their scarce water resources, which is why accurate estimation of evapotranspiration (ET), a key link between the hydrological and energy cycles, is crucial for water resource management, agricultural irrigation planning and ecological conservation. This Special Issue seeks to gather and showcase the latest scientific achievements and technological advancements in remote sensing estimation and partitioning of ET in dryland regions. Topics include but not limited:

- Validation and evaluation of remote sensing products with in situ measurements;
- Application of remote sensing technologies in ET estimation in dryland regions;
- Advancements in the models and algorithms used in ET estimation and partitioning;
- Investigations of the impact of climate change and human activities on ET variation in dryland regions;
- Estimation of ecological water requirements in dryland regions;
- Water use efficiency and water conservation strategies in dryland regions.



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Special Issue



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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.

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