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Crop Evapotranspiration: Accurate Ground and Remote Sensing Observations and Computational Tools

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Deadline for manuscript submissions:

closed (31 January 2023)

Message from the Guest Editors

Dear Colleagues,

Evapotranspiration (ET) plays a main role in the water balance at various scales, from the plant and the field to the watershed or the irrigation system. ET allows understanding the hydrological behavior of natural and cropped ecosystems and adopting improved water resource planning and management. With the increasing competition for water and decreasing water resource availability, the need to cope with water scarcity and climate change increases the importance of accurate knowledge and estimation of ET from annual and perennial crops and landscapes. Improved use of ET information allows enhancing water use in agriculture at various scales. Therefore, there is a great need for an accurate scrutiny of the ET measurements, of weather data, and of data processing procedures.

This Special Issue encourages the submission of review and application research articles which contribute to accurate measurement and estimation of crop evapotranspiration in a broad sense [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Evapotranspiration_Observations



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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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