Special Issue

The Evapotranspiration in a Changing Climate: In-Situ Measurements, Remote Sensing, Modeling, and Application

Message from the Guest Editors

In this Special Issue, we are calling for papers that address ET scientific topics in coordination with efforts in different regions of the world, aiming to synthesize results at the global scale. We invite papers covering, but not limited to, the following topics: (1) Better measurements and modeling of ET and its components (soil evaporation, plant transpiration, and canopy interception) at multiple scales from plot to regional and global scales; (2) Estimating evaporation/sublimation from unconventional land surfaces including water bodies (especially inland lakes), snow, and glaciers; (3) Challenges and opportunities in quantifying ET trends in a changing climate using state-of-the-art techniques; (4) Responses and feedbacks of ET to climate change and anthropogenic activities; (5) Role of ET in drought monitoring, agricultural management, and water resources; and (6) Employing high-resolution ET products for improved hydrological and/or climate modeling in poorly gauged regions of the world.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2021)

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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.

Editor-in-Chief

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