Special Issue

Hydrological Cycle and Land-Atmosphere Interactions: From Evapotranspiration to Precipitation

Message from the Guest Editors

The moisture transport process from the surface to the atmosphere and then precipitate is one of the most uncertain segments of the hydrological cycle. It involves interactions among the land or ocean surface, atmospheric boundary layer, cloud physics, atmospheric circulation, and even atmospheric aerosols. There are many unsolved issues in the observation and modeling of these processes, and resolving them could significantly enhance our understanding of the hydrological cycle. In this Special Issue, we seek studies that investigate the facts and mechanisms related to the processes from surface evapotranspiration to precipitation. The topics covered by this Special Issue will include but not be limited to the following:

- Land–atmosphere interactions and the hydrological cycle;
- Atmospheric boundary layer processes, cloud physics, and precipitation;
- Atmospheric moisture transport and tracking;
- Impact of human activities on the hydrological cycle;
- Aerosol–cloud–climate interactions.

Guest Editors

Prof. Dr. Jiangfeng Wei

School of Atmospheric Science, Nanjing University of Information Science & Technology, Nanjing, China

Prof. Dr. Min-Hui Lo

Department of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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