

Special Issue

Water Cycle Processes under the Influence of Climate Change and Human Activities

Message from the Guest Editors

Climate change and human activities are the two driving factors affecting the water cycle, which is a key concern for global change research. With recent rapid environmental changes, the water cycle is experiencing high levels of spatio-temporal variability, resulting in many water-related issues that pose challenges to the management of sustainable water resources. Therefore, it is important to understand the mechanisms of water cycle processes under the influence of climate change and human activities. This Special Issue invites research papers related to the influences of climate change and human activities on water cycle processes, including rainfall, evapotranspiration, runoff, soil water, river flows, floods, and drought, and their impacts on the management of sustainable water resources. We invite studies highlighting the joint impacts of climate change and human activities on water cycle processes using different methods, including observation, physical modeling, statistical analysis, and remote sensing. Especially welcome are studies that use new approaches coupling natural and social water systems to study the water cycle in the changing environment.

Guest Editors

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Prof. Dr. Liping Zhang

Prof. Dr. Dunxian She

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Deadline for manuscript submissions

closed (25 March 2023)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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