



Hydrological Responses by Climate Change and Human Activities

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Message from the Guest Editors

Hydrological responses are being impacted by both climate change and human activities. Climate change and human activities have accelerated significantly during the last three decades. Variation of runoff in a water circulation system has a decisive effect on its components. In particular, gradual or abrupt changes in a water cycle can significantly impact various subsystems, such as ecological systems in a basin. Hydrological responses are affected by climate change and human activities such as construction of dams, land use change, and water intake. Therefore, identifying the change in hydrological responses caused by climate change and human activities is crucial to the establishment of a reasonable water resources planning and management strategy in a specific watershed.

This Special Issue aims to publish high-quality articles on the variation in runoff due to the two types of factors, climate change, and human activities. Additionally, hydroinformatics to observe and analyze meteorological and hydrological data and performance of rainfall–runoff models could be included in this Special Issue.





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