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## Climate Change Impacts on Hydrological Processes and Water Resources of Local Watersheds

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### **Message from the Guest Editor**

Air temperature is projected to increase in the future due to greenhouse gases accumulated in the atmosphere, and such a change is expected to alter rainfall patterns with significant implications on hydrological processes and water resources. The potential impacts of projected climate change may be significantly different depending on spatial scales. Small local watersheds whose hydrological responses tend to be dominated by direct runoff may more quickly and directly react to changes in rainfall patterns. Besides, many water resources development and management are carried out at local watershed scales. However, such scales have not been a primary focus of climate change impact studies presumably due to the discrepancy between the spatial resolutions of climate and hydrological modeling and associated uncertainty. The small spatial scale analysis of climate change impact requires detailed information on watershed management practices as well as the improvement of climate projection accuracy and precision. [...]

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# Special Issue



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## Message from the Editor-in-Chief

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