

Special Issue

Impacts of Climate Change on Hydrology, Water Quality and Ecology

Message from the Guest Editors

Global warming or climate change has become an inevitable reality because we have suffered from tremendous serious disasters resulted from inoccasionally-extreme meteorological events. Despite global efforts on the mitigation and adaptation of climate change impacts, all social, economic, environmental and ecological damages have been increasing. Before the implementation of any adaptive measures, it is definitely required to analyze the quantitative impacts of climate change on hydrology, water quality and ecology in both global and regional scales, as well as to precisely forecast the future climate conditions. This Special Issue will show the state-of-the-art techniques and various global applications for the impacts of climate change on flood, drought, groundwater vulnerability, water quality and ecology in a global and regional scales based on historical climate data and various climate change scenarios. Although, there have been plenty of articles on this theme for the past several decades, it should be continuously studied due to its importance. Furthermore, comprehensive review on this issue can be very helpful to all interested researchers in the world.

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