Special Issue

Analysis of Extreme Precipitation Under Climate Change

Message from the Guest Editor

Climate change is anticipated to have a profound impact on precipitation patterns worldwide. Regions already susceptible to heavy rainfall may face more frequent and severe flooding, while those accustomed to snowfall might encounter intensified and prolonged snowstorms. Moreover, alterations in atmospheric circulation patterns due to climate change could disrupt the distribution and timing of precipitation, potentially exacerbating drought conditions in certain areas and leading to shifts in seasonal precipitation patterns. These changes may carry extensive implications for water resource management, infrastructure resilience, ecosystem dynamics, and community vulnerability. Hence, this Special Issue endeavors to explore the intricate relationship between extreme precipitation events and the broader context of climate change. By delving into these themes, this Special Issue aims to advance our comprehension of extreme precipitation events within the framework of climate change, fostering interdisciplinary dialogue among researchers, policymakers, and practitioners to address these pressing concerns.

Guest Editor

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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

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