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Modelling of Floods and Droughts under a Changing Climate

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editor

Climate change poses great challenges for the water sector and everything else that relies on water. It is extremely important for water managers to plan, adapt to and mitigate climate change as water resources are largely climate-dependent. Multiple lines of evidence indicate that the world is getting warmer/hotter, but parts of the world are becoming drier, too, whereas some other parts wetter, which will have major implications for water security and risk management in the future. Advances in modelling of floods and droughts under climate change help us to better understand and assess risks to floods and water resource availability right now and moving forward. We would like to invite contributions on various aspects of this modelling, including but not limited to modelling techniques, uncertainty analysis, sensitivity studies, bias correction, data assimilation, calibration and validation methods, integration of remote sensing data, impact studies, etc. We hope this Special Issue will improve our knowledge and help us to better prepare for climate conditions that lie beyond conditions experienced in the past.

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Message from the Editor-in-Chief

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.

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