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Trends in Hydrological and Climate Extremes in Africa

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editor

Dear Colleagues,

Several programs such as START, CCAA, ClimDev-Africa have contributed to the understanding of climate change and impacts in the Africa continent, but efforts need to be pursued to deliver climate information at regional and local scales to support impact studies. This Special Issue focuses on original contributions related to regional and local trends of hydrological and climate extremes in Africa:

- to understand of the impacts of global warming and/or land use on trends in hydrological and climate extremes in all the regions of Africa at different time scales;
- to identify the atmospheric and large scale drivers of hydrological and climate extremes at regional and local levels and to describe how they may change at different time horizons;
- to use different sources of climate information (from in situ and remote sensing) to reduce the uncertainty of the prediction of extreme events in regional and global climate models.

Dr. Arona Diedhiou
Guest Editor

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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