



Changes in Extreme Hydro-Meteorological Events: Climate Warming or Natural Climate Variability

Guest Editors:

Dr. Mingzhong Xiao

State Key Laboratory of Lunar
and Planetary Sciences, Macau
University of Science and
Technology, Macau 999078,
China

Dr. Futing Wu

College of Hydrology and Water
Resources, Hohai University,
Nanjing 210098, China

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Message from the Guest Editors

Dear Colleagues,

In recent years, extreme hydro-meteorological are becoming more frequent. North America has suffered a severe heatwave, and Europe and China have suffered extreme floods this year (2021). These extreme hydro-meteorological events have severely threatened people's lives and property safety. It is important and necessary to analyze changes in extreme hydro-meteorological events. Besides, analyzing the impacts of natural climate variability on these extreme hydro-meteorological events may help us to better understand climate-warming-related change.

This Special Issue aims to collect the latest methodological developments and applications in studying both natural climate variability and climate-warming-related changes in extreme hydro-meteorological events. Topics of interest for the Special Issue include but are not limited to:

- Observed or simulated trends in extreme hydro-meteorological events;
- The influence of climate indexes on changes in extreme hydro-meteorological events;
- The effect of multiple climate indicators on the changes in extreme hydro-meteorological events;
- How the occurrence and intensity of extreme hydro-meteorological events change.





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Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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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Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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