



Extreme Weather Events in a Warming Climate

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Message from the Guest Editor

Dear Colleagues,

This Special Issue will aim to comprehensively delve into the multifaceted impact and intricate dynamics of extreme weather events within the context of our warming climate. It will serve as a vital platform for researchers, scientists, and experts across various disciplines to conduct in-depth investigations into the escalating frequency and heightened severity of extreme weather phenomena, encompassing heatwaves, hurricanes, droughts, heavy rainfall, and other pertinent issues. We extend a warm invitation to interdisciplinary studies that meticulously analyze the intricate interactions among atmospheric and environmental variables and introduce groundbreaking mitigation and adaptation strategies. Our overarching goal is to foster a profound and holistic comprehension of these extreme events, thereby contributing significantly to the development of sustainable policies and practices. These policies and practices are crucial in enhancing resilience, promoting ecological balance, and safeguarding human and environmental well-being in the face of the profound and ever-evolving challenges posed by our changing climate.





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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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