



Climate Change and Its Impacts in the United States

Guest Editors:

Dr. Elias Massoud

Computational Sciences and
Engineering Division, Oak Ridge
National Laboratory, Oak Ridge,
TN 37830, USA

Dr. Adrienne Wootten

South Central Climate
Adaptation Science Center,
University of Oklahoma, Norman,
OK 73019, USA

Deadline for manuscript
submissions:
closed (30 June 2025)

Message from the Guest Editors

Dear Colleagues,

The global climate system is changing, and we are witnessing intensifying weather events as we move into a warmer world. Specifically for the US, different regions are experiencing impacts from climate change in different ways.

This issue in Atmosphere invites submissions that highlight climate change and its impacts in the United States. Studies can range from a local to regional or continental scale and can either represent historical climate or future projections. A few examples of potential study topics are how climate can impact hydrology, energy, agriculture, ecosystems, health, or social systems. Potential submissions can include results from Earth System Models or Regional Climate Models, observations such as in situ measurement networks or remotely sensed satellite data, or techniques like model–data fusion and machine learning.

We look forward to receiving your submitted manuscript.

Dr. Elias C. Massoud
Dr. Adrienne Wootten
Guest Editors





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Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences
and Climate (ISAC), National
Research Council (CNR), Str. Prv.
Lecce-Monteroni km 1.2, 73100
Lecce, Italy

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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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