

Special Issue

Effects and Atmospheric Processes of Disaster Weather in the Context of Global Climate Change, 2nd Edition

Message from the Guest Editors

This Special Issue tries to partly address the issues discussed above, which will be useful complements to existing studies. The scope of this Special Issue includes, but is not limited to, the following relevant themes:

- Variational trends in extreme precipitation under global climate change and their underlying mechanisms;
- Variational trends in persistent heavy rainfall under global climate change and their possible mechanisms;
- Impacts of extreme weather and climate events and global change on the operation of renewable energy;
- Changes in renewable energy in the context of global climate change;
- Regional simulations of disaster weather in warm/cold seasons;
- Variational trends in high winds under global climate change and their associated mechanisms;
- Mesoscale vortex- or extratropical cyclone-associated disaster weather;
- Structural features and evolutions of the mesoscale convective systems that produce disaster weather;
- Changes in the environmental conditions of disaster weather under global climate change.

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