



## Polar and High Mountain Weather: Interactions, Variability, and Forecasting

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Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editor

Dear Colleagues,

Due to global warming and the rise in extreme weather events, polar and high mountain weather is becoming of great interest to the scientific community. Polar weather refers to the meteorological conditions occurring in the polar and subpolar regions in the northern and southern hemispheres, including in the Arctic and Antarctica. Both polar regions experience extreme weather conditions that affect human activities and ecosystems, such as severe snowstorms, equatorward moving freezing air masses, and intense polar low developments, among other severe atmospheric conditions.

This Special Issue of Atmosphere aims to invite researchers to contribute state-of-the-art manuscripts related to polar and mountain weather, from observed case studies to modeling. In addition, studies focussed on analyzing and predicting changes in atmospheric processes and the ecological and societal impacts due to weather-related phenomena occurring in polar and mountainous regions are welcome.





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## Editor-in-Chief

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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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