Special Issue

High Altitude Site Observations of the Atmospheric Chemical Composition

Message from the Guest Editor

Observations of the atmosphere at high altitude sites are of fundamental importance to understand the impact of changes in the chemical composition on climate, biodiversity and human health. Mountain areas are usually background sites for observing atmospheric composition that is slightly impacted by anthropogenic emissions, but at the same time they are places to study the role of the long-range transport of pollutants, how the local chemical composition changes due to atmospheric dynamics and the chemical implication of the mix between anthropogenic and biogenic emissions. Studies of fire emissions and plume evolution, the role of orography on the change of chemical compounds, and the chemistry triggered by natural phenomena, such as lighting, are favoured in high altitude observatories, which can be considered a sort of atmospheric sentinel.

Guest Editor

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About the Journal

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!

Editor-in-Chief

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