



Stratospheric Ozone

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Message from the Guest Editor

Dear Colleagues,

Stratospheric ozone plays a key role in chemical and radiative budgets of the stratosphere since it is the only atmospheric species that effectively absorbs about 90% of the ultraviolet solar radiation (200–300 nm), protecting life on Earth from exposure to harmful radiation. The stratospheric temperature increases with height which is mainly due to atmospheric heating by stratospheric ozone. This underlines the key role of stratospheric ozone for dynamics, circulation and energetics of the stratosphere. It is still an open question if the stratospheric ozone layer recovers from man-made emissions of chlorofluorocarbons (CFCs) in the past and emissions of other ozone depleting substances at present. A new field of research is the link between climate and stratospheric ozone. This Special Issue is open to all publications on stratospheric ozone.

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Guest Editor





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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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