



Ozone Pollution and Effects in China

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Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editor

The scope of this Special Issue includes understanding the sources of O₃ precursors, the formation and transport of O₃ in the atmosphere, and the impact on human health, agriculture, and the environment.

O₃ can be transported over long distances, leading to regional-scale pollution episodes. Understanding these transport mechanisms is crucial for implementing effective air quality management strategies.

The effects of O₃ pollution on human health are a significant concern. Exposure to high levels of O₃ can lead to respiratory problems, aggravate existing conditions such as asthma, and increase the risk of cardiovascular diseases.

Moreover, O₃ pollution has detrimental effects on agriculture and ecosystems. It can impair crop growth and reduce agricultural productivity, ultimately affecting ecosystem dynamics and biodiversity.

To address these challenges, this Special Issue emphasizes the need for comprehensive air pollution control measures and sustainable development practices. By raising awareness, conducting research, and implementing effective mitigation strategies, it is possible to combat O₃ pollution and create a healthier and more sustainable environment in China.





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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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Journal Rank: CiteScore - Q2 (Environmental Science (miscellaneous))

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