



State-of-Art in Atmospheric Photochemical Pollution

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Deadline for manuscript submissions:

closed (15 December 2021)

Message from the Guest Editors

Dear Colleagues,

As a Guest Editor of the journal Atmosphere, I would like to invite you to submit a paper to the Special Issue, "State-of-Art in Atmospheric Photochemical Pollution".

Photochemical pollution is a significant problem for all of the main urban and industrial areas of the world. It occurs in or near areas with a high traffic density and in the presence of specific climatic conditions, which causes the concentration of polluting gases to increase and prevents them from dispersing. In these areas, photochemical pollutants (tropospheric ozone, carbon monoxide, particulate, VOCs, etc.) very often exceed their threshold values, above which there are risks for human health and ecosystems.

Manuscripts related to the following key problems are welcome for this Special Issue:

- Advancement of the fundamental atmospheric chemistry knowledge that enables predictive capability for the distribution, reactions, and lifetimes of photochemical pollutants;
- Influence of photochemical pollutants on urban air quality;
- Quantifying the emissions and deposition of photochemical pollutants in a changing Earth system;



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Special Issue



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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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