

Special Issue

Long Term Trends of Air Pollutants

Message from the Guest Editor

Trace gas monitoring stations allow us to monitor changes in air pollution in our cities, rural areas, and even high mountaintop sites. We are interested in any long term monitoring of air pollutants, from just over five years for so-called "changes" to the scale where we can talk about trends (over ten years). O₃, NO₂, CO, SO₂, aerosols, PM_{2.5} trends, and any linkages between these various pollutants are of interest. Any changes in indoor pollution and linkages to building design, lifestyle, and outdoor pollution would also be of interest.

Illustrating trends in air pollution at one station must involve describing the regional and global contexts and taking into account the nearest pollution sources. Studies of regional or even global trends will involve combining individual station trends to derive or describe regional trends. The statistical analysis involved in deriving the trends will need to be well described and justified.

In this Special Issue, manuscripts on all aspects of the analysis and interpretation of changes and trends in air pollutants are welcome.

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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