

Special Issue on improvements in measuring techniques and methodological tools on Atmospheric Chemistry and Air pollution.

Although air pollution appeared immediately after World War II, it remains one of the most significant problems that contemporary societies face, in cities, industrial areas and the fields. It affects both, developed and developing countries, combines with climate change and causes health problems.

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Manuscript Submission Information

MethodsX is a multidisciplinary, open access, peer -reviewed journal which publishes detailed but short articles that describes methodological advances.

For this special issue we invite papers contributing to the improvement of the quality of measurements of various air pollutants (both gaseous or particulate) in the atmosphere, as well the use of techniques improving the analysis of satellite data, and air quality data in general by means of accuracy, reliability, quality control etc.

The following topics are of primary interest for the special issue, but we also open to any new ideas concerning Atmospheric Chemistry and Air pollution.

- Particulates in the air emitted either by combustion or biological processes
- New Analytical procedures to measure particulates in the air
- Development of measurement techniques of gaseous pollutants as ozone, BTEX, Classical pollutants, dioxins, furans etc.
- Development of new indices characterizing the air pollution levels in various cities
- Protocols to confront the increases air pollutants levels and improve public health
- New techniques analyzing satellite data concerning air pollution
- How climate change affect or may affect air pollution

We also accept review papers on the above.

The method/protocol aspect is key to the journal. There are templates available to help authors better present their methods used in research, this could be found on the Guide for Author page of the journal, for method articles, there is also methods or protocol template while for review articles, there is a review template

Keywords

Air pollution, analyses, BTEX, Dioxins, furans, NO_x, ozone, air quality indices, satellite data, particulates, methods, development.