# Special Issue

# Oxidative Properties and ROS Activity of Ambient Particles

## Message from the Guest Editor

The epidemiological and toxicological research conducted in the last few decades has associated particulate matter (PM) with both respiratory and cardiovascular diseases. However, the heterogeneous and inconsistent nature of these associations suggests that not all components of PM are equally toxic. The capability of ambient particles to generate reactive oxygen species (ROS), conveniently called the ROS activity or the oxidative potential, is proposed as a better metric for relating PM pollution with health effects. Several recent epidemiological and clinical investigations also corroborate this hypothesis. We invite researchers to contribute original research articles, as well as review articles, dealing with all aspects of PM oxidative potential.

## Guest Editor

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## Deadline for manuscript submissions

closed (31 July 2020)

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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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