



Pandemic and Climate Change Impact on Urban Air Pollution

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Message from the Guest Editor

In this pandemic, we have seen unpredictable changes to the urban climates due to reduced human activities. The restrictions worldwide created a unique opportunity to study and isolate the anthropogenic impact on urban air pollution, turning the world into a living lab that would not have been possible to implement. Further, the climate change impact of extreme weather conditions and natural fires has created a different emission profile and atmospheric chemistry and physics than anything ever seen. In this Special Issue of the MPDI journal *Atmosphere*, we would like to collect the work related to these unprecedented events that will help the scientific community to understand human activities and climate change, the climate and the emission alteration on public health. We hope that such a collection will provide insight that improves air pollution mitigation and climate change abatement. Articles from any discipline are welcomed. Of special interest are the topics of emission inventory updates, air pollution dispersion modeling, source apportionment studies, local modeling, data analytics, machine learning forecasting, and public health relevant to air pollution.





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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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