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Coronavirus Pandemic Shutdown Effects on Urban Air Quality (2nd Volume)

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Deadline for manuscript submissions:
closed (6 December 2022)

Message from the Guest Editors

Though the COVID-19 pandemic continues, countermeasures to limit the virus' spread, particular countrywide or regional "lock-downs", have become rare. However, pandemic-induced changes to social behavior in densely populated areas have led to enduring changes in urban air quality. For first volume, we invited manuscripts that described effects on air quality during the initial phases of the world's response to the pandemic. For second volume, we are seeking manuscripts that use remotely sensed or in situ measurement data to provide insights into effects of the pandemic on urban air quality. Considering the recovery of social and economic activity, we solicit manuscripts that address questions of how and how fast air pollution around the world has or has not returned to pre-pandemic levels. Since the initial emissions reductions were likely not uniform, and neither was the return to "normal", we are expecting to continued analyses of the altered mobile sector and other emissions that can be traced to societal challenges and changes. We encourage studies that bring these air quality changes into the broader perspective of health effects.

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Editor-in-Chief

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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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