



Megacities: Air Quality Impacts from Local to Global Scales

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

More and more people are living in urban areas, and especially in megacities. Consequently, under current emission conditions, air quality becomes more and more of a factor for living conditions. Air quality is characterized by interrelations with climate change due to anthropogenic emissions and meteorological influences upon air quality. Research topics are the processes between air quality and heat islands as well as haze and weather pattern. New methodologies for air quality monitoring and air quality forecast are required. Finally, information about air pollutant emissions and air quality must be improved for citizen and stakeholders and health protection measures must be proposed.

Prof. Dr. Klaus Schäfer
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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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