Special Issue

Urban Climate and Air Quality in Mediterranean Cities

Message from the Guest Editors

The rapid urbanization of Mediterranean cities in combination with the climate change is expected to deteriorate urban air quality leading to adverse effects on human health. Thus, it is of utmost importance to develop accurate air quality modeling systems in urban scale with high horizontal resolution and identify the most important emissions sources which contribute to high pollutant concentrations in Mediterranean cities. The study of the impacts of meteorology on air quality is also an important issue since Mediterranean region is characterized by hot and dry climate in summer which contribute to poor air quality in cities which is expected to be deteriorated due to climate change. This special issue welcomes manuscripts which cover the following research aspects:

- Estimation of air pollutant emissions in urban centres
- Air quality modelling
- Urban air quality Monitoring
- Meteorology and Air Quality
- Impacts of Urban Air pollution on human health
- Climate change

Guest Editors

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Deadline for manuscript submissions

closed (16 March 2022)

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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!

Editor-in-Chief

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