



## Urban Climate and Air Quality in Mediterranean Cities

Guest Editors:

**Dr. Natalia Liora**

**Dr. Anastasia Poupkou**

**Dr. Dimitris K. Papanastasiou**

**Prof. Dr. Dimitrios Melas**

**Dr. Serafim Kontos**

Deadline for manuscript  
submissions:

**closed (16 March 2022)**

### 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





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Daniele Contini

Institute of Atmospheric Sciences  
and Climate (ISAC), National  
Research Council (CNR), Str. Prv.  
Lecce-Monteroni km 1.2, 73100  
Lecce, Italy

## 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!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

**Journal Rank:** CiteScore - Q2 (*Environmental Science (miscellaneous)*)

## Contact Us

---

Atmosphere Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/atmosphere](http://mdpi.com/journal/atmosphere)  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)  
[X@Atmosphere\\_MDPI](https://twitter.com/Atmosphere_MDPI)