Special Issue

Air Pollution at the Urban and Regional Level: Sources, Sinks, and Transportation

Message from the Guest Editors

According to the World Health Organization, air pollution is the 10th greatest risk factor for human health. Critical loads and levels of pollutant concentrations are air quality markers for assessing the risk of air pollution impacts to ecosystems. Urban areas are considered hotspots of air pollution, especially large and densely populated metropolitan areas. Various pollutants, both gaseous and particulate, contribute to the deterioration of atmospheric quality. The aim of this Special Issue is to gather up-to-date research knowledge aiming at assessing air pollution at the urban and regional level, including both experimental and monitoring studies and mathematical/numerical modeling studies. The issue will focus on source apportionment of particulate air pollutants, their trends, deposition sinks, and inter-urban and regional transport. Additionally, the issue will cover all major aspects of urban aerosol observations, including particulate matter chemical characterization and human exposure assessment.

Guest Editors

Dr. Elena Hristova

Dr. Manousos Ioannis Manousakas

Dr. Anikó Angyal

Dr. Maria Gini

Deadline for manuscript submissions

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

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

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