Special Issue

Urban Air Pollution and Odour

Message from the Guest Editor

Urban air pollution remains one of the most pressing environmental and public health challenges worldwide. While traditional air quality studies have largely focused on regulated pollutants, such as particulate matter, nitrogen oxides, ozone, and volatile organic compounds, odours represent an equally significant yet often overlooked dimension of atmospheric pollution in cities. Odorous emissions from traffic, industry, waste management, agriculture, and wastewater treatment plants not only degrade urban air quality but also strongly influence human perception, well-being, and quality of life.

This Special Issue, titled “Urban Air Pollution and Odour”, invites contributions that advance our understanding of the sources, dynamics, monitoring, modelling, and mitigation of both regulated air pollutants and odorous emissions in urban contexts. Topics of interest include, but are not limited to the following: advanced monitoring and sensing technologies, source apportionment and dispersion modelling, the health and societal impacts of odours, regulatory and policy approaches, citizen science initiatives, and innovative mitigation strategies.

Guest Editor

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About the Journal

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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