Special Issue

Air Quality Assessments and Management

Message from the Guest Editors

We are pleased to invite you to contribute to a Special Issue of *Atmosphere* dedicated to Air Quality Model and Management. Air quality modelling represents the only available methodology to design strategies to evaluate the impact of emission reductions on air quality concentrations, to estimate concentration levels over zones where there are no monitoring station as well as the exposure of the population to pollution concentrations. Moreover air quality model forecast are used for alert thresholds, information for the public and short term actions plan. In spite of significant improvements, there are still several areas in Eastern Europe and Northern Italy with values higher than not only the limits recommended by WHO but also by the EU legislation. Although models are continuously being improved, some processes remain not known enough to be captured in models. This special issue of the journal "Atmosphere" focuses on the current state of air quality model and air quality management applications. Advances in methods on improving air monitoring and facilitating knowledge-based policymaking are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2023)

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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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