Special Issue

Air Pollution Modelling: Local-, Regional-, and Global-Scale Application

Message from the Guest Editor

Air pollution problem is inevitably accompanied to our human activities. Today, modeling researches is one of the valuable approaches to promote our understanding on the behavior of air pollutants and to be used as regulatory, policy, and environmental decision makings. To foster our current scientific knowledge on modeling potentialities and limitations, we would like to call scientific papers related to air pollution modeling applied for urban-, regional-, and global-scale on this special issue in the journal of Atmosphere. By collecting devoted papers, this theme seeks the future strategies for modeling researches across multi-scales. Modeling is not limited on the Eulerian and Lagrangian models, and other modeling techniques (e.g., box model, receptor model) are welcome. The online-coupled chemical transport model integrated with meteorological model will also contribute to this special issue. This topic would represent a notable contribution to this important scientific field.

Guest Editor

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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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