



## Regional Air Quality Modeling

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Deadline for manuscript  
submissions:

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### Message from the Guest Editor

Our understanding of air pollution is imperative to mitigate its harmful effects on our human health. The regional air quality model is an effective and powerful tool to better understand our regional air quality and to estimate the effectiveness of air quality improvement strategies. It can also help to explain the causality between emission and air pollution and the fate of primary and secondary pollutants. Air quality models involve a number of modules to describe the complicated atmospheric physiochemical processes, such as gas-phase chemistry, secondary aerosol formation, photolysis, advection, and dry/wet depositions of air pollutants. Many researchers have focused on regional air pollution and air quality improvement plans using regional air quality models. This Special Issue is expected to discuss the current status of regional air quality modeling and advance our understanding. We welcome papers and reviews that present latest advances in regional air quality modeling. This issue includes validating air quality modeling, developing emission inventories, improving meteorological and other inputs for regional air quality models, and simulating future regional air quality.





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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!

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