Special Issue

Transport, Transformation and Mitigation of Air Pollutants

Message from the Guest Editor

Good air quality is essential for sustaining life. Air pollution affects overall human health and well-being, as well as the quality of the environment and its ecosystems. Common air pollutants include carbon monoxide, lead, ground-level ozone, nitrogen dioxide, particulate matter, and sulfur dioxide. It is imperative to develop cost-effective methods to measure and reduce air pollution resulting from agricultural production, manufacturing facilities, transportation, and other stationary or mobile sources. Monitoring and modeling efforts in understanding the transmission and implications of air pollutants are also vital in assisting decision making on mitigation strategies. We are pleased to invite original research and review articles from around the globe. Contributing papers are expected to address one or more area of advancement with respect to air pollutant measuring and monitoring, as well as the modeling of its transmission and implications, developments in and applications of technologies or methodologies for mitigating air pollutants at their source, and exploring management, policy making, and public awareness in improving air quality.

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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