Special Issue

The Formation and Contaminant Interactions of Photochemical Pollution

Message from the Guest Editor

Air pollution, solar radiation and regional climate interact with each other and should be studied together. Anthropogenic and biogenic activities, e.g., the emissions of chemical compounds, anthropogenic and biogenic volatile organic compounds, NOx and SO2, influence the physical and chemical processes in the atmosphere. These chemical compounds take part in chemical and photochemical reactions/pollution and produce new compounds in gases, liquids and particles. This Special Issue aims to provide a platform to share space- and ground-based observations and modeling in understanding the above issues and their interactions, including ozone chemistry and photochemistry, associated with AVOCs and BVOCs, NOx, SO2, particulate matter and solar radiation. Studies related to the interactions and their potential effects on atmospheric constituents, solar radiation, air movements and regional climate are encouraged.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Editor-in-Chief

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