Special Issue

Atmospheric Pollution of Agriculture-Dominated Cities

Message from the Guest Editors

The aim of this Special Issue is to provide recent advances in our understanding of the atmospheric pollution of agricultural regions or cities. In agriculture-dominated regions or cities, air quality is closely linked to crop types and cultivation patterns, the ways in which livestock and poultry are fed, the living habits in the area, meteorological conditions, soil properties, and emission control measures. These activities emit considerable primary particulate matter and gaseous precursors (e.g., ammonia, volatile organic compounds, chemical substances, greenhouse gases) of secondary particulate matter. However, the complexity of chemical components in atmospheric pollutants, their spatio-temporal distributions, and heterogeneous reactions with gases remain unclear in different agricultural regions and cities.

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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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