Special Issue

The Application of Deep Learning Technology for Spatiotemporal Prediction of Air Pollution from Urban Mobile Sources (2nd Edition)

Message from the Guest Editors

This Special Issue is the second volume in a series of publications dedicated to the following topic: “Apply Deep Learning Technology for Spatiotemporal Prediction of Air Pollution from Urban Mobile Sources” (https://www.mdpi.com/journal/atmosphere/special_issues/JP5O8A1X0L). Mobile source emissions account for more than 80% of carbon monoxide and hydrocarbons and more than 90% of nitrogen oxides and solid particles in urban air pollution; moreover, they have become the main source of this pollution, causing serious damage to socio-ecological environments. Therefore, it is necessary to study the comprehensive supervision and analysis methods of urban mobile source emissions, as doing so will be aid significantly in protecting public health and improving rational urban planning as well as traffic conditions. Moreover, the temporal and spatial distribution of urban mobile source emissions is affected by many complex factors. We propose the Special Issue with the aim of collecting state-of-the-art research articles in order to share views, findings, strategies, and recommendations and ultimately help to achieve equitable access to clean air for all.

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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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