

Special Issue

Regulated and Non-regulated Organic Pollutants in the Atmosphere: Distribution, Transport and Transformation

Message from the Guest Editors

Organic pollutants in the atmosphere can cause health impairments to humans and other organisms following uptake via respiration, dermal contact, or ingestion. Biomagnification following transport and deposition can increase risks associated with dietary uptake. Transformation of organic pollutants in the atmosphere or following deposition to vegetation, soils or water can also render reaction products more or less toxic than their precursors. Thus, understanding atmospheric transport and/or transformation of organic pollutants is crucial to understanding health risks posed by these chemicals. For this Special Issue, we welcome studies of transport and transformation of toxic organic pollutants in the atmosphere, including theoretical studies, laboratory experiments, field in-situ experiments or monitoring, modeling studies, and combinations thereof. Studies can be conducted at a local, regional, or global scale. Because our ability to understand atmospheric transport and transformation can be limited by analytical capabilities, new developments in this realm are also welcome.

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About the Journal

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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