Special Issue

Organic Chemical Emissions: Sources, Measurements and Characteristics

Message from the Guest Editors

Organic chemical compounds emitted from anthropogenic sources and natural emission sources are potentially hazardous for the atmospheric environment and human health. Because the emission sources are complex, the concentrations of pollutants can easily change with time and transportation distance, and because organic compounds further react with the components in the atmosphere, the measurement of ambient organic chemical emission compounds is an essential issue worthy of further study. This Special Issue aims to cover the most recent progress and advancements in the field of novel techniques for the sampling, monitoring, and measurement of organic chemical emissions from different anthropogenic and natural sources. We especially welcome the submission of research contributions regarding novel sampler, sensor, and monitor techniques, as well as rapid indicators for organic chemical compounds. With these novel measurement or detection technologies, potential authors are highly encouraged to make in-depth investigations and discussions on the emission characteristics of chemical emission sources.

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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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