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Atmospheric Volatile Organic Compounds (VOCs)

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editor

Volatile organic compounds (VOCs) are ubiquitous in the atmosphere and play an important role in determining the composition and chemistry on varying spatial scales. VOCs can have a significant impact on local and regional air quality as their oxidation in the presence of nitrogen oxides leads to tropospheric ozone formation. VOCs also directly and indirectly affect the oxidative capacity of the atmosphere because they can directly influence hydroxyl radical concentrations, thereby influencing the lifetimes of other atmospheric constituents.

As the nature of atmospheric VOCs is highly complex and covers a wide range of disciplines, manuscripts on all aspects of atmospheric VOCs are welcome for this Special Issue.

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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!

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