

Special Issue

Physical and Chemical Degradation Mechanisms of the VOCs, from Gas Phase Kinetics to SOAs Formation

Message from the Guest Editor

Climate change has been receiving a huge amount of interest over the last few decades, playing a pivotal role in the life cycles and concentration of the constituents of the Earth atmosphere. The budget of atmospheric components is affected by these modifications and in return will have an impact on atmospheric processes. We invite you to submit your scientific research publications in this Special Issue, which covers a broad range of applications related to chemistry and physics of atmosphere. Your contributions may include recent experimental work and modeling studies. The topics of interest are around the aim to better understand atmospheric processes but are not limited to:

- Radical initiated gas phase chemistry in the troposphere;
- Gas phase experimental kinetic investigations of the volatile organic compounds (VOCs);
- Relevant research on atmospheric photochemical processes;
- Kinetic analysis and structure activity relationship studies;
- Mechanistic gas phase chemical degradation investigations;
- Gas phase product formation studies from VOCs chemical degradation;

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2020)



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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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