



Gas Phase Kinetics and Heterogeneous Reactivity of Atmospheric Interest

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Message from the Guest Editors

Dear Colleagues,

Heterogeneous chemistry must be included in the models that explain different pollution episodes. As a result, a detailed chemical and physical understanding of all the atmospheric processes that include homogeneous, heterogeneous reactions, and interface reactivity has to exist to better understand different chemical and physical processes responsible for atmospheric air pollution episodes, pollution transport, and the fate of different products formed.

Topics of interest include gas phase and condensed phase kinetics and dynamics, atmospheric aerosol formation, and heterogeneous reaction chemistry. Of particular interest are studies involved in the chemical processes driving the oxidative capacity of indoor and outdoor environments, atmospheric primary or secondary particle formation, cloud formation, ozone depletion/formation cycles, and nitrous acid (HONO) formation in indoor or outdoor settings. Works that look to better our living environment through industry and academia collaborations are also important.

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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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