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Disentangling the Chemical and Physical Processes on Gas-to-Particle Conversion

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to gather studies on various aspects of gas-to-particle conversion processes, including physical and chemical mechanisms controlling atmospheric NPF, chemical pathways to molecular clustering, particle formation and its subsequent growth, as well as sources and formation of precursor vapors. Experimental studies both in the field and in the laboratory as well as theoretical and modelling studies are welcome. This list is not exhaustive, and all relevant research will be considered.

Deadline for manuscript submissions:
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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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