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Quantifying Atmospheric Ammonia and Its Impacts: Measurements, Modeling and Mitigation

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Message from the Guest Editors

In recognition of these uncertainties and the importance of atmospheric ammonia, the open-access journals *Atmosphere* and *IJERPH* are jointly hosting a Special Issue to highlight the most recent findings related to quantification, emissions, modeling and mitigation of NH_3 and its impacts on air quality, aerosol properties, nitrogen deposition, and broadly for climate and health. Toward this, we invite original results utilizing in situ and/or remote sensing measurements from laboratory studies, field measurements, network monitoring, aircraft campaigns, satellite inferences or theoretical/model studies and reviews across scales ranging from the quantum to the atmosphere. Studies synergizing multi-platform measurements and modeling as well as epidemiological studies are especially welcome.

Deadline for manuscript submissions:
15 August 2023

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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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Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

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