Special Issue

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

Message from the Guest Editors

In recognition of these uncertainties and the importance of atmospheric ammonia, the open-access iournals Atmosphere and IJERPH are jointly hosting a Special Issue to highlight the most recent findings related to quantification, emissions, modeling and mitigation of NH3 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.

Guest Editors

Dr. Arshad Arjunan Nair

Dr. Camille Viatte

Dr. Jacek A. Koziel

Deadline for manuscript submissions

closed (15 August 2023)



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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Editor-in-Chief

Prof. Dr. Paul R. Ward

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