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Agricultural Ammonia Emission and Mitigation Effects

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Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

While ammonia (NH3) emission mitigation plays a significant role in reducing PM2.5, it is important to identify NH_3 emission and mitigation potentials to meet the stricter $PM_{2.5}$ environmental thresholds.

The open-access journal *Atmosphere* is hosting a Special Issue to showcase the most recent findings related to agricultural ammonia emission, mitigation techniques from fertilized croplands and livestock farms, and effects of ammonia mitigation on $PM_{2.5}$ reduction. This Special Issue is, of course, an appropriate venue for papers that deal with social–economic and health benefits of $PM_{2.5}$ pollution improvement induced by NH_3 mitigation and other associated resource reuse activities. Furthermore, this Special Issue aims to showcase the most successful case studies on regional NH_3 mitigation actions in the globe.

Original results from field experiments and controlled investigations, models, and review papers in relation to NH_3 emission, mitigation, and $PM_{2.5}$ pollution reduction are all welcome contributions. Authors are also encouraged to write a viewpoint paper on future requirements on agricultural nitrogen management and NH_3 mitigation by 2050 or 2100.

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Editor-in-Chief

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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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