



Advances in Understanding, Inventing and Mitigating N₂O Emissions from Managed Land

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is to gather the most recent scientific and methodological advances carried out in order to better understand, monitor, and inventory N₂O flux from plot to regional scale.

Because of the very huge mosaic of landscape, land management, climate, and pedologic conditions, N₂O fluxes' dynamic, intensity, and sources remain challenging to capture, via measurement and modeling.

We invite scientists to submit articles reporting current research entailing advances in N₂O flux monitoring methodologies, via in situ measurement and/or remote sensing, as well as advances in N₂O flux modeling, via statistical or mechanistic approaches at plot or regional scale. The submission of scientific contributions highlighting a multidisciplinary approach, based on long-term observation and/or experimentation, will be particularly appreciated, as well as the contributions of more applied research results highlighting how anthropogenic land management affects N₂O exchanges between the surface and the atmosphere.

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Guest Editors





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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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