Special Issue

Agricultural Greenhouse Gas Emissions

Message from the Guest Editor

In recent years, much research work has been done around the world in exploring the mechanisms of Greenhouse Gas production/emissions/transfer processes and developing effective measures for the mitigation of agricultural GHG emissions. This special issue aims to enhance our scientific understanding of GHG emissions from agricultural systems and to develop the best management practices to minimize GHG emissions while maintaining agricultural production. Original research, systematic review, meta-analysis, and model studies related to agricultural GHGs emissions are welcome. Example topics include, but are not limited to, the following:

- Effect of agricultural management practices on GHG emissions from agricultural production systems;
- Laboratory or field studies investigating GHG emissions from soil freeze–thaw cycles;
- Meta-analyses of strategies to reduce GHG emissions;
- Development of techniques in measurement and estimation of GHG emissions;
- Reduction of GHG emissions from the enteric fermentation and livestock production systems;
- Model approaches in estimating GHG emissions at regional or global scales;
- Benefit–cost analysis of GHG emissions.

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2021)

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About the Journal

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!

Editor-in-Chief

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