



Agricultural Greenhouse Gas Emissions

Guest Editor:

Dr. Xiaopeng Gao

Department of Soil Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Deadline for manuscript
submissions:

closed (15 September 2021)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

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

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)