



Climate Change and Sustainable Agricultural System

Guest Editor:

Prof. Dr. Rameshwar Kanwar
Department of Agricultural and
Biosystems Engineering, Iowa
State University, Ames, IA 50011,
USA

Deadline for manuscript
submissions:

30 April 2025

Message from the Guest Editor

Dear Colleagues,

We plan to publish a Special Issue of *Sustainability* with a focus on “Climate Change and Sustainable Agricultural System”. Climate change is one of the most important challenges facing humanity and affects almost every continent. Agricultural production systems can lead to increased availability of nitrogen in the soil resulting in emissions of nitrous oxide (N₂O). Animal production systems, especially those used for ruminants such as dairy cows and cattle, produce methane (CH₄) as part of their normal digestive processes, thereby representing over a quarter of greenhouse gas emissions from the agriculture sector. In addition, manure management (storage, treatment, land application) accounts for about 11% of total greenhouse gas emissions from the agriculture sector in the United States. Smaller amounts of GHG emissions include the burning of crop residues, which produces CH₄ and N₂O. Therefore, we encourage you to submit original research articles related to agricultural production systems, GHG emissions from agriculture, and climate mitigation practices as themes for a possible publication in this Special Issue.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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