

Special Issue

Climate Change and Sustainable Agricultural System

Message from the Guest Editor

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.

Guest Editor

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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