



Strategies to Mitigate Greenhouse Gas Emissions in Agricultural Production Systems

Guest Editors:

Dr. Qin Peng

Key Laboratory of Land Surface Pattern and Simulation, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China

Dr. Xingren Liu

Agricultural Clean Watershed Research Group, Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, Beijing 100081, China

Dr. Wanxia Peng

Institutional Center for Shared Technologies and Facilities of Institute of Subtropical Agriculture, Chinese Academy of Sciences, Changsha, China

Message from the Guest Editors

The dramatic increase in greenhouse gas concentrations in the atmosphere has led to global warming and other environmental problems, posing a considerable challenge to human survival and the development of the Earth. Terrestrial ecosystems, including agricultural production ecosystems, are important sources or sinks of greenhouse gases. Their scientific management will help reduce greenhouse gas emissions, alleviating industrial pressure and ultimately achieving carbon neutrality goals. At present, it is necessary to have an in-depth understanding of carbon and nitrogen cycling processes and the mechanisms related to mitigating greenhouse gas emissions in order to provide a scientific basis for the effective reduction of greenhouse gas emissions. This Special Issue covers a broad range of greenhouse gas mitigation measures in terrestrial ecosystems, particularly in agricultural production systems. This Special Issue is also interested in research on terrestrial carbon and nitrogen cycling processes, as well as soil, plant, and microbial mechanisms related to greenhouse gas emissions and their mitigation.

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Sydney Institute of Agriculture,
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Message from the Editor-in-Chief

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

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