

Special Issue

Strategies to Mitigate Greenhouse Gas Emissions in Agricultural Production Systems

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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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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