Special Issue

Greenhouse Gas Mitigation in Agriculture

Message from the Guest Editor

Agriculture may make a significant contribution to the mitigation of greenhouse gases (GHGs), even though its direct contribution to the overall greenhouse gas emissions is limited. Its impact can be attributed to complex interactions of the involved systems and the possibility of both mitigating and offsetting emissions by carbon sequestration or bioenergy production. The analysis of the potential of GHG mitigation options in agriculture requires a good understanding of the biophysical processes of GHG emissions from agricultural sources and a solid understanding of the agricultural systems. The most prominent GHGs from agriculture are nitrous oxide originating from soil transformations and methane emissions from animal husbandry. For the detection of cost-efficient GHG mitigation strategies in agriculture, more insights into the complex interactions of agricultural systems with GHG mitigation are necessary. I encourage authors to contribute to this Special Issue with analyses that take into account the complexity of this issue and help to identify the GHG mitigation potential of agriculture at various scales.

Guest Editor

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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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