Special Issue

Greenhouse Gas Mitigation towards Sustainable Agriculture

Message from the Guest Editors

Dear Colleagues: Sustainable agriculture aims to feed an increasing global population, while at the same time preserving natural resources and reducing the environmental impact. Carbon dioxide (CO2), methane (CH4) and nitrous oxide (N2O) are long-lived greenhouse gases (GHG) relevant to agriculture. Agriculture may mitigate GHG emissions via sequestering SOC and decreasing CH4 and N2O emissions. The GHG exchanges are strongly modified by climate, soil properties and management practices and thus have inherent heterogeneity in space and time. Despite the ever-increasing measurements worldwide, there are still large uncertainties in global and regional estimations. Therefore, we will focus on the novel GHG mitigation research that contributes to sustainable agriculture. In this special issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Nitrous oxide emissions Methane exchange Soil organic carbon sequestration Global warming potential evaluation Conservation agriculture We look forward to receiving your contributions.

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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.

Editor-in-Chief

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