

Special Issue

Quantifying Greenhouse Gas Footprints of Crop Cultivation Systems

Message from the Guest Editor

Agriculture is a significant source of greenhouse gases (GHGs). Therefore, there is long-standing interest in the quantification of and reduction in these emissions. However, emissions are spatially and temporally variable, making quantification difficult. Emissions also vary with soil type, land and water management and the type and timing of fertilizer additions. In addition to direct emissions in the field, agriculture contributes to emissions elsewhere in the value chain, e.g., fertilizer production and food processing, as well as land use change. All of these aspects need to be taken into account to calculate the global warming footprint of agriculture. The main aim of this Special Issue is to report the latest information regarding greenhouse gases from agriculture, measurement and experimental technologies and measurement results as well as greenhouse gas that accounts for the whole value chain. Both research reports and papers describing progress in understanding and reducing emissions and measurement technology are sought, as well as review papers on relevant topics.

Guest Editor

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Editor-in-Chief

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