Special Issue

Low Carbon Agriculture and Low Reactive Nitrogen Losses under Intensification

Message from the Guest Editor

To simultaneously feed the population and protect our environment, it's critical to develop sustainable agriculture techniques under the context of intensification of production and global climate change. Excessive reactive nitrogen losses and greenhouse gas emissions inevitably lead to serious environmental consequences. It's imperative to mitigate greenhouse gas emissions improve ecosystem carbon budget, soil carbon sequestration, and lower reactive nitrogen losses while obtaining desirable crop productivity. Carbon and nitrogen footprint are closely related, and both are vital for realizing sustainable agriculture. Research works and reviews are welcome to understand the mechanisms of various approaches and strategies for sustainable low carbon and nitrogen agriculture from various agroecosystems. Procedures involved in various reactive nitrogen and greenhouse gas production and emissions are key advancements in this special issue. Let's serve together to meet a better environment and lifestyle by exploring the relationship between greenhouse gas emissions, reactive nitrogen losses, and crop production.

Guest Editor

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