



Strategizing Agricultural Management for Climate Change Adaptation and Mitigation

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Message from the Guest Editors

Advancements in agriculture have made it possible to fulfill the global food demands. However, maintaining the supply for the ever-increasing population is challenging due to urbanization, land degradation, and climate change. Global climate change has seriously affected crop production, while on the other hand, agriculture itself is continuously contributing to climate change through the increasing concentrations of atmospheric greenhouse gases. The urge for new inventions in agricultural technologies and management was never before as it is today to balance crop production and associated climate effects. Hence, changes in agriculture management are essential to cope with the challenges of maintaining the continuous increase in crop production, enhancing the resilience of crop production to climate change, and ensuring progress in climate change mitigation. However, the success of agricultural management-based climate change adaptation and mitigation requires the development of simple, cost-effective, and broadly adaptable methods. Therefore, strategizing agricultural management is imperative for climate change adaptation and mitigation.





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