

## Special Issue

# Key Technologies and Adaptive Cultivation of Food Crops to Cope with Climate Change

### Message from the Guest Editors

The key technologies and adaptive cultivation of food crops to cope with climate change include field management technology, planting system adjustment, and crop model simulation. 1. For continuously improving agricultural productivity and income: improve food security, alleviate poverty, protect natural resources, mitigate climate change, and establish more sustainable, resilient, and inclusive food systems. 2. For adapting and resisting climate change: This includes enhancing the resilience of the food system, improving disaster resilience, and reducing the vulnerability of agriculture to drought, pests, diseases, and other climate related risks and impacts. Additionally, it entails enhancing the adaptability of agriculture to climate change. 3. For reducing or eliminating agricultural greenhouse gas emissions: This includes protecting farmlands to limit the expansion of energy-intensive cities, reducing methane generated by manure management, avoiding deforestation in agriculture, protecting water resources and soil health, introducing renewable energy production on farms, and identifying ways to absorb carbon from the atmosphere.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 February 2025)



## Plants

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### Editor-in-Chief

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