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Sustainable Agriculture and Food Supply Chains in Changing Climate

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Message from the Collection Editors

Dear Colleagues,

Changing climate affects food supply chains by ruining crops, water supplies, and livestock farming. Variations in the extremes of climate change have made crops vulnerable to new diseases. Water resources in arid, semiarid, and tropical zones are under the threat of uneven storms as well as water scarcity. Practicing sustainable agriculture is the only way to adapt to the impacts of climate change.

Precision agriculture helps sustainable planning and the implementation of management practices to optimize the use of water, nutrients, and other natural resources. The use of remote sensing, geographical information systems, proximal sensing and crop mapping from variability data can help design efficient agricultural management practices at small scales.

This Special Issue will publish content related to climate change, agriculture, food security, greenhouse farming, vertical agriculture, hydroponics, soil health, irrigation system automation, nutrient management, precision agriculture technologies, artificial intelligence, deep learning, machine vision, GIS/GPS, watershed management, greenhouse gas emission, and sustainable food supply systems.

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Message from the Editor-in-Chief

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