Special Issue

Climate Change and Food Sustainability: A Critical Nexus

Message from the Guest Editors

Climate change poses a significant threat to global food system sustainability. Shifts in temperature, humidity, and precipitation and the increasing frequency of extreme weather events are impacting crop yields, agricultural practices, and food nutritional quality. These changes also influence the prevalence and severity of foodborne illnesses by affecting pathogen and pest dynamics. Simultaneously, efforts to mitigate greenhouse gas emissions and adapt to climate change are transforming food production, processing, distribution, consumption, and waste management, all of which contribute to emissions. This Special Issue will explore the complex interplay between climate change and food systems, examining interconnected challenges and opportunities. We invite contributions addressing the technical, environmental, economic, social, and ethical dimensions of this critical nexus. The scope includes, but is not limited to:

- The impacts of climate change on food production, food safety, and security.
- Mitigation and adaptation strategies
- Economic and policy dimensions
- Social and ethical considerations

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Deadline for manuscript submissions

30 November 2025



Climate

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.7



mdpi.com/si/231154

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of Climate is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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