



Climate Change and Its Impact on Crops

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Message from the Guest Editor

Dear Colleagues,

Climate change will increase the likelihood of systemic failures across the globe caused by extreme climate events, affecting multiple sectors including the agricultural sector according to the Intergovernmental Panel on Climate Change Special Report on Global warming of 1.5 °C. Climate change is also projected to negatively impact the pillars of food security—availability, access, utilization, and stability—and their interactions. One aspect that requires specific analysis is related to extreme events which may lead to crop failure, even in the context of possibly improved weather patterns and what adaptation measures are required to address the climate change issues in farm systems. We call for contributions to this Special Issue that highlight innovative approaches, systems modelling, and crop yield forecasting in the context of changing climate.





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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