

Special Issue

New Insights into the Response and Adaptation of Agriculture to Climate Change

Message from the Guest Editors

Climate change poses significant challenges and opportunities for agriculture. The impacts of climate change on agriculture vary depending on the region, crop, and farming system. This Special Issue on "New Insights into the Response and Adaptation of Agriculture to Climate Change" aims to present the current research on how agriculture can address and contribute to climate change management. It covers a wide range of topics, such as crop modelling, climate risk assessment, crop improvement, and so on. Novel advances in the understanding of climate change phenomena are also welcome, such as physical mechanisms and feedbacks of climate change; the impacts and vulnerabilities of climate systems; and climate extremes such as heat waves, droughts, floods, storms, as well as their impacts on agriculture. This Special Issue intends to promote further research and actions concerned with how to minimize the adverse effects and risks of climate change on agriculture in the context of the global climate crisis.

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About the Journal

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!

Editor-in-Chief

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