



Agricultural Management for Climate Change Adaptation, Greenhouse Gas Mitigation, and Agricultural Productivity

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Message from the Guest Editors

Dear Colleagues,

The increased likelihood of extreme weather events driven by global warming and the intensification of the water cycle is a major risk to the continuing and stable production across many agri-food systems. Coupled with increasing global population growth and demand for food, increasingly frequent extreme climatic events elicit an urgent and compelling need for the development of new knowledge, technologies and practices enabling scalable, sustainable intensification. Robust projections of climate impacts on crop growth underpinned by process-based models are fundamental in the quest to design effective, holistic and systems-based adaptations that minimise down-side risk associated with future climates.

With this Special Issue of *Agronomy*, we seek integrative studies that shed light on new, developed or improved models to better understand the interaction of crops and environmental conditions under climate change, as well as reviews that offer original perspectives on crop models developed in response to climate change. Articles highlighting the use of crop modelling to cope with climate change with different agronomic options are also welcome.





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Message from the Editor-in-Chief

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