

Special Issue

Effects of Climate Change on Agriculture

Message from the Guest Editors

Climate change impacts are a transversal and global concern. The population growth, the consequent need to increase food production, and role of meteorology in agriculture make this sector one of the activity areas most affected by climate change. In turn, agriculture is an important contributor to greenhouse gas emissions. This issue is to gather works covering relationships between climate change, agricultural management practices, and results throughout the agricultural calendar. We invite researchers to submit work related to following topics:

- Analysis of recent past climate and mid/long-term projections
- Impact of extreme weather events
- Soil, water and air pollution
- Atmosphere–biosphere interactions
- Climate adaptation and resilience of agricultural crops
- Biophysical environment monitoring in different crop phenological stages
- Climate effects on crop yield, quality and profitability
- Technological innovation in agriculture
- Life cycle assessment in different cropping phases
- Cost–benefit analysis of joint strategies for crop management and greenhouse gas mitigation
- Human exposure assessment to agrochemicals and local weather conditions

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2023)



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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

Dr. Daniele Contini

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