



Climate Data for Agricultural Applications: Downscaling and Scenarios

Guest Editors:

Dr. Budong Qian

Agriculture and Agri-Food
Canada, Ottawa, ON, Canada

Dr. Catherine Champagne

Agriculture and Agri-Food
Canada, Ottawa, ON, Canada

Prof. Dr. Zhi Li

College of Natural Resources and
Environment, Northwest
Agriculture and Forestry
University, Yangling 712100,
China

Message from the Guest Editors

Atmosphere dedicates this Special Issue to climate data for agricultural applications with a focus on climate downscaling and future climate scenarios. Original research and review papers, methodologies, and applications related to the development of climate data for use in the agricultural sector are welcome. Authors are especially encouraged to present studies on methodologies of downscaling weather forecast/climate model outputs for regional and local agricultural applications including, but not limited to, crop growth simulations, climate extremes and risk analysis, yield forecasting, and greenhouse gas emissions. Discussions on how to derive and interpret climate information for agricultural applications and the associated uncertainties are also encouraged.

Deadline for manuscript
submissions:

closed (31 October 2020)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)