

Special Issue

Climate–Water–Food Nexus

Message from the Guest Editors

The global mean temperature has been steadily increasing for the last few decades, and this trend will likely continue for years to come. The increase in temperature coupled with population growth will significantly impact both the water and the food sector in the future, particularly in areas that show no change or a slight increase in precipitation. Currently, agriculture is the largest user of fresh water resources around the world. The scope of this Special Issue includes analytical, experimental, and modeling studies that describe the interaction of climate, water, and food. We invite you to submit original or review papers on the issue of climate–water–food nexus, concerning both theoretical and experimental aspects: climate change impact on water, drought, food production, modeling the climate–water–food nexus, experimental studies, as well reviews on climate variables that impact water, carbon, and nutrient cycles.

Guest Editors

Dr. Rabin Bhattarai

Department of Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Champaign, IL 61810, USA

Dr. Vahid Rahmani

Department of Biological and Agricultural and Biological Engineering, Kansas State University, Manhattan, KS 66506, USA

Deadline for manuscript submissions

closed (15 February 2020)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/27495

Atmosphere

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



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

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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))