



## Precipitation and Climate Change: Accomplishments and Challenges

Guest Editor:

**Dr. Hossein Tabari**

Department of Civil Engineering,  
University of Leuven (KU Leuven),  
Heverlee, Belgium

Deadline for manuscript  
submissions:

**closed (31 December 2019)**

### Message from the Guest Editor

Precipitation is the major component of the hydrological cycle, and is a commonly used variable for climate change studies, as a small change in precipitation may have catastrophic consequences to society and the environment. The investigation of the impact of climate change on precipitation-related hazards has therefore seized a vast portion of international attention, in order to take action and address its impact in future policy making. Despite numerous studies and recent achievements in climate modeling and impact assessment, significant challenges and concerns remain. This Special Issue aims to advance our understanding of the past and future climate change impacts on precipitation climatology, as well as extremes on both regional and global scales.





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](http://www.mdpi.com)

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