



## Global Precipitation with Climate Change

Guest Editor:

**Prof. Dr. Nicole Mölders**  
Department of Atmospheric  
Sciences, University of Alaska,  
Fairbanks, AK 99775, USA

Deadline for manuscript  
submissions:

**closed (31 December 2017)**

### Message from the Guest Editor

Dear Colleagues,

Precipitation is one of the hardest to predict and measure quantities. However, the amount, duration and time of precipitation is of great importance for agricultural, water management, generation of hydropower, flood protection, shipping, and many more sectors. Water demands have increased tremendously over the last 70 years due to nearly quadrupling of the world population. This Special Issue aims at advancing our current knowledge on precipitation. Articles addressing measurement and modeling issues, as well as parameterization of precipitation, are welcome. Additionally, investigations on precipitation changes over timeframes longer than 30 years, and improved gridded datasets with high resolution of precipitation are encouraged too. Furthermore, papers addressing the impact of air pollution, land-use and land-cover changes, as well as wind farms on precipitation, are sought.

Prof. Nicole Mölders  
*Guest Editor*





an Open Access Journal by MDPI

## 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

## 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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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