Special Issue

Advances on Remote Sensing of Precipitation

Message from the Guest Editors

This Special Issue aims to publish articles on all perspectives of Remote Sensing of Precipitation. Researchers are invited to publish articles on the precipitation estimation, evaluation, and accuracy assessment of satellite precipitation products over complex topography, merging of satellite precipitation datasets, hydrological applications of remote sensing precipitation, calibration and validation of precipitation (precipitation modelling), comprehending the microphysical properties of clouds, integration of remote sensing precipitation into numerical weather prediction models, etc. The topics of research include (but are not limited to) those listed below:

- Quantitative estimation of precipitation;
- Spatial and temporal evaluation of remote sensing precipitation;
- Assessing the role of complex topography on precipitation;
- Merging satellite precipitation datasets and its application;
- Hydrological applications of remote sensing precipitation;
- Precipitation modeling;
- Extreme precipitation events;
- Precipitation phase partitioning in cold regions;
- Real-time hydrological modeling using remotely sensed precipitation;
- Modeling of Atmospheric-Hydrologic Processes.

Guest Editors

Dr. Khalil Ur Rahman
Dr. Muhammad Shahid
Dr. Abdul Moiz

Deadline for manuscript submissions

closed (17 June 2022)

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

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

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