Special Issue

Precipitation Estimations Based on Satellite Observations

Message from the Guest Editors

Precipitation is a key element in Earth's climate system. Traditional precipitation measurement methods, such as rain gauges, have limitations in spatial coverage, especially in remote areas. Satellite-based precipitation observations offer a solution with their wide-ranging coverage and frequent revisits. However, accurately estimating precipitation from satellite data remains a challenge due to complex cloud physics and signal-related issues. This Special Issue aims to advance the field of precipitation estimations using satellite observations. We invite submissions on new algorithms and models for more accurate estimates. Papers focusing on validating satellite-based precipitation products against ground-based data and improving sensor calibration are also welcome. Additionally, we encourage studies on regional and global precipitation patterns detected by satellites, as well as their applications in weather forecasting, water resources management, and agriculture. By bringing together such research, we hope to enhance our understanding and utilization of satellite-based precipitation estimations.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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