Special Issue

Advancement of Remote Sensing in Regional Climate Modeling: Observations, Mechanisms, and Projections

Message from the Guest Editors

- Detection and attribution of historical, current and future regional climate changes using remote sensing or combined with regional climate models.
- Modeling and performance evaluation of regional climate and hydrological models based on remote sensing or site observation.
- Application of remote sensing and regional climate models in solving water–energy–food–eco-environment problems, including the impacts of climate change on the hydrological cycle, clean energy, crop yield, eco-environment, etc.
- Remote sensing and regional climate model applications in hydroclimatology, including assessing and predicting the impact of climate change on extreme hydroclimatic events such as flood, drought, and heavy precipitation.
- Application of remote sensing and regional climate models to precipitation, evapotranspiration, soil moisture, groundwater and soil erosion.
- Assessment of the impacts of human activities such as agricultural irrigation, water and soil conservation, inter-basin water diversion projects and afforestation on regional climate, water cycle and ecological environment using remote sensing and regional climate models.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2023)

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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.

Editor-in-Chief

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