Special Issue

Satellite Remote Sensing of Weather, Water and Climate Couplings and Phenomena (Second Edition)

Message from the Guest Editors

Satellite remote sensing presents a robust tool with which to address and unravel coupled weather, water, and climate phenomena at multiple scales. The temporal and spatial scales of atmospheric, oceanic, and hydrologic environmental phenomena span the period range from isolated events, particularly extreme events, to that of sub-seasonal variability in the Earth's interactively coupled atmospheric, oceanic, and hydrologic systems. There are significant associated implications for human and ecological systems, and these have become an emerging topic around which issues of societal and economic value and sustainability can be examined and used for societal responses and planning. In this issue, remote sensing tools comprehensively address these phenomena because of the incredible spatial synoptic coverage that they provide. When coupled with environmental observational datasets and mathematical modeling outputs, satellite remote sensing couples observed and modeled environmental processes with societal impacts. Moreover, satellite data used for numerical model validation are now being assimilated into event prognostications.

Guest Editors

Prof. Dr. Len Pietrafesa

Dr. Emanuele Böhm

Prof. Dr. Biao Zhang

Prof. Dr. Qing Xu

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

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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

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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