Special Issue

Big Earth Data for Climate Studies

Message from the Guest Editors

This Special Issue invites research, review, vision and case study papers on the use of advanced computing techniques, cutting-edge big data analytics, machine learning methods, and any new tools to understand various dimensions of climate change from regional to global scale. Topics include, but are not limited to, the following:

- Big Earth data collection for climate change;
- Preprocessing for analytical-ready data;
- Big Earth data management in a FAIR fashion (find, access, interoperability, and replicable);
- Geospatial data processing;
- Geophysical simulation based on big data;
- Big data visualization and presentation for decision support;
- Building digital twins with big Earth data;
- Open source for climate change;
- New computing methods for climate change;
- Climate change use cases, such as sea level rise, sea ice change, global warming, flooding, wildfire, hurricane, drought, etc.;
- Climate justice – impacts of climate change due to rising sea levels, sunken islands, climate refugees, urban heat island, air quality, health effects, fires, etc.

Guest Editors

Prof. Dr. Chaowei Yang

NSF Spatiotemporal Innovation Center, Department of Geography & GeoInformation Science, George Mason University, Fairfax, VA 22030-4444, USA

Dr. Daniel Q. Duffy

NASA Goddard Space Flight Center, Greenbelt, MD, USA

Sudhir Shrestha

NOAA National Environmental Satellite, Data, and Informations Service, Center for Satellite Applications and Research, College Park, MD, USA

Deadline for manuscript submissions

closed (30 November 2024)

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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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About the Journal

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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