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Remote Sensing Technologies for the Analysis and Modeling of Atmospheric Events

Guest Editors:

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Deadline for manuscript submissions:
closed (31 August 2022)

Message from the Guest Editors

This Special Issue aims to document the most recent progress in the following areas (not an exhaustive list):

- The observation and study of atmospheric events, marine dynamics and storms, as well as air–sea and air–land interface, from short-term to inter-annual timescales, through the use of remote sensing technologies;
- The observation and analysis, through SAR data, of wind speed and direction, humidity, temperature and sea surface temperature;
- Cloud and hydro-meteor analysis in extreme atmospheric events, using current satellite platforms (e.g., GPM, Cloudsat) and ground-based stations (weather/cloud radars, gauges, disdrometers);
- Implementation and data assimilation (3D-Var, 4D-Var, RUC, etc.) of satellite (surface and upper layers) and radar data in numerical models and their impact on atmospheric and ocean predictability;
- The use of satellite and radar data for the investigation of extreme atmospheric events for curiosity-driven and/or air safety studies.

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Editor-in-Chief

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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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