Special Issue

Editorial Board Members' Collection Series: Applications of Remote Sensing for Numerical Weather Prediction

Message from the Guest Editors

Remote sensing is a major component of numerical weather prediction (NWP). NWP predictions are routinely blended with satellite information in a process known as data assimilation in order to determine the atmospheric state to initialize the associated models. In addition, models rely on climatology or the characterization of surface properties (vegetation characterization, urban characterization, elevation, land use, etc.) to represent the relevant physical processes to determine atmospheric evolution. Also, there is an increasing variety of specialized NWP applications that make use of remote sensing information (e.g., wildland fire spread simulations, renewable energy applications, air quality, etc.). This Special Issue is open to contributions on recent developments, or reviews, of relevant aspects of remote sensing applications to improve or extend numerical weather predictions. Topics of interest include, but are not limited to the following:

- Data assimilation;
- Characterization of surface properties;
- Air quality applications;
- Development of model climatology;
- Forecast verification;
- Specialized products for NWP applications.

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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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