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Weather Forecasting and Modeling Using Satellite Data

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editor

Dear Colleagues,

Weather forecasting employs numerical weather prediction, which has evolved through increased computational power, the ingestion of observations from various platforms, multi-agency and international collaborations, and advancements in the representation of physics and dynamics in the model structure. Satellite observations combined with numerical weather prediction models and data assimilation techniques have become essential components in the fully coupled Earth system framework (NAS, 2018), and will continue to be in the future.

This Special Issue aims to bring together current state-of-the-art research about the use of geostationary and/or polar orbiting satellite data in weather prediction from short-term to sub-seasonal and seasonal scales. Weather prediction can refer to deterministic or probabilistic frameworks with single or multi-model ensembles that utilize satellite data and/or develop new techniques to integrate the two and improve weather forecasts. Research related to the above topics will be considered for publication in *Remote Sensing* under the Special Issue.

Prof. Marina Astitha
Guest Editor

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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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