Special Issue

Advances in Retrieval, Operationalization, Monitoring and Application of Sea Surface Temperature

Message from the Guest Editors

Sea surface temperature (SST) is a key variable of the Earth system that regulates the interaction between the atmosphere and the ocean through energy and gaseous exchange, thereby influencing weather and climate patterns. Retrieval of SST is based on observations from both low-Earth orbit infrared and microwave sensors and geostationary orbit infrared imagers. Many applications with important societal benefits depend on the global and regional mapping of SST, such as weather forecasts, climate variability and change prediction, maritime safety, environmental monitoring, and management of marine ecosystems and fisheries. Therefore, a further important requirement is scientific stewardship of SST data, which includes production, validation, archival, and dissemination of these products. To summarize the progress to date and the remaining challenges in space-based SST retrievals and make the information available to a wide-reaching audience, we are calling for papers on the *retrieval*, *operationalization*, *monitoring*, and *application* of SST from various *sensors*. The selection of papers for publication will depend on the quality and rigor of research.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2020)

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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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