Special Issue

Enhanced Satellite Perspectives of Sea Surface Temperature and Air-Sea Interaction

Message from the Guest Editors

Sea surface temperatures have increased significantly over the past four decades at regional and global scales. This warming affects climate and biogeochemical cycles, ocean circulation, stratification, melting of ocean-bounding glaciers and ice sheets around Greenland and Antarctica, and the exchange of momentum, heat, and gases between the ocean and atmosphere. In addition, this accelerated warming can lead to extreme events that have devastating effects on the marine ecosystem. Sea surface temperature, surface air temperature, and sea ice concentration have been classified as essential climate variables (ECVs) by the Global Climate Observing System (GCOS) due to their climate relevance, technical feasibility, and cost-effectiveness, as they play an important role in regulating Earth's climate system and its variability. We invite papers which use Sea Surface Temperature, Sea Ice concentration, and chlorophyll-a remote-sensing datasets and techniques to understand spatiotemporal trends and extreme events. Furthermore, the possible relation between atmospheric forcings and large-scale teleconnection patterns with these extreme events.

Guest Editors

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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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