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Microwave Passive Remote Sensing of Sea Surface Temperature, Salinity and Wind Vector

Guest Editors:

Dr. Yinan Li

Dr. Xiaobin Yin

Dr. Qingxia Li

Dr. Shubo Liu

Prof. Dr. Shiyang Tang

Deadline for manuscript submissions:
closed (29 December 2023)

Message from the Guest Editors

Dear Colleagues,

Sea surface temperature (SST), salinity (SSS), and wind vector (SSW) are extremely important geophysical parameters in the ocean–atmosphere system and play key roles in understanding climate variation, weather prediction, and air–sea interactions. Passive microwave radiometers with large wavelength and strong penetration have been applied to monitor the open ocean for several decades and provide a large amount of valuable marine environmental information data. However, there are still challenges related to measuring these parameters with high accuracy and spatial resolution, especially in cold-water and coastal regions.

This Special Issue is focused on the latest developments in passive microwave remote sensing of the sea surface temperature, salinity, and wind vector. We welcome papers exploring the areas of microwave passive sensors, theory, and models of microwave radiation in field and laboratory experiments. More details can be read on the website.

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Guest Editors

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Special Issue

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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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