

Special Issue

Recent Advances in Sea Ice Research Using Satellite Data (Second Edition)

Message from the Guest Editors

Given the escalating concerns surrounding global warming, understanding the swift transformations in sea ice across the Arctic and Antarctic Oceans holds paramount significance, particularly with regard to gaining new insights into the intricate relationship between the atmosphere, ocean, and Earth, as well as the emergence and implications of Arctic shipping routes. The progressive utilization of remotely sensed data from satellites has played a pivotal role in advancing our comprehension of sea ice dynamics. Satellite-based observations have provided valuable insights into the characteristics and changes in sea ice cover, thickness, and concentration. In this Special Issue, we aim to showcase the recent strides made in sea ice research, with an emphasis on cutting-edge, AI-based sea ice mapping methods, novel satellite sea ice datasets, and innovative processing techniques for satellite sensor data.

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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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