Special Issue

Global Monitoring of Inland Water Using Remote Sensing and Artificial Intelligence (Second Edition)

Message from the Guest Editors

Inland water bodies around the world, such as lakes, reservoirs, rivers, canals, and ponds, play a crucial role in sustaining life, providing human well-being, supporting ecosystems, and ensuring water security for millions of people worldwide. However, in recent years, these valuable resources have come under increasing pressure due to climate change, population growth, urbanization, and industrial activities. The ability to comprehensively monitor and assess the status and dynamics of inland water bodies (lakes, rivers, and reservoirs) at local to global scales using remote sensing has become a critical challenge for hydrological, ecological, and environmental researchers, managers, and policymakers. Remote sensing and artificial intelligence (AI) have emerged as powerful tools for addressing the above-mentioned challenges. Remote sensing technologies, encompassing optical, thermal, radar, and lidar sensors aboard satellites and other platforms, enable the acquisition of frequent, synoptic, and multidimensional data across large geographic areas over long periods at a given revisit frequency.

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Message from the Editorial Board

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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