

Special Issue

Signal Processing Theory and Methods in Remote Sensing (Third Edition)

Message from the Guest Editors

In the era of rapid development of remote sensing technology, signal processing theory and methods play a crucial role in extracting valuable information from complex remote sensing data. With the continuous emergence of new remote sensing platforms and sensors, there is an increasing demand for advanced signal processing techniques to improve the accuracy, efficiency, and reliability of remote sensing data analysis. In addition, the growing complexity and volume of remote sensing data require more powerful and intelligent processing methods. This has led to a surge of innovative research in this field, making it an opportune time to showcase the latest advancements. This Special Issue aims to explore the latest advancements and innovative applications of signal processing theory and methods in remote sensing. We invite contributions focusing on innovative signal processing techniques for the enhancement, analysis, and interpretation of remote sensing data across different domains.

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2025)



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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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