Special Issue

Remote Sensing Data Fusion and Applications (2nd Edition)

Message from the Guest Editors

The use of remote sensing technology is widespread in our world because it is one of the most effective methods with which to observe the earth. The processing methods and practical applications of data obtained from remote sensing have received increasing interest from the remote sensing community. The abundance of remote sensing data also presents new opportunities and challenges for researchers. Remote sensing data fusion from multiple sensors has greatly benefited many applications that require more extensive temporal, spatial, or spectral information than any individual sensor can provide.

This Special Issue derives its title from the 9th Youth Geosciences Forum, held on 5–8 May 2025 (http://www.qndxlt.com/index.html). This Special Issue aims to present the most recent research and developments on remote sensing data fusion from sensors at different spatial and temporal resolutions. Topics include, but are not limited to, novel image fusion algorithms based on transform domain, machine learning, and other theoretical approaches. Applications in earth observation are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2025)

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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.

Editor-in-Chief

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