Special Issue

Applications of Multimodal Remote Sensing Models in Ecological Environment Monitoring

Message from the Guest Editors

Advances in remote sensing highlight the limitations of single-sensor approaches in addressing the increasing complexity of ecological monitoring. Multimodal remote sensing—integrating data from multiple sources, including optical imagery, SAR, LiDAR, thermal sensors, etc.—offers a powerful alternative for capturing the spatial, spectral, and temporal diversity of environmental systems. This Special Issue of *Remote Sensing* aims to present cutting-edge research that leverages multimodal data fusion techniques and machine learning algorithms to improve the monitoring, assessment, and management of ecological environments. The goal is to promote innovative approaches that advance both theoretical understanding and practical application of multimodal remote sensing in environmental science. We invite contributions that explore methodological developments, case studies, and operational frameworks that push the boundaries of what is possible with integrated remote sensing technologies.

Guest Editors

Dr. R. Douglas Ramsey
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Dr. Jing Wang

Deadline for manuscript submissions

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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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