

Special Issue

AI-Driven Satellite Data for Global Environment Monitoring

Message from the Guest Editor

The acceleration of environmental changes on Earth may significantly affect the global atmosphere, oceans, agriculture, forests, and water. Indeed, the Earth belongs to our descendants, not us, so we must deliver a safe and clean Earth to them. Satellite remote-sensing data is the essential material for spatially and temporally continuous observation of the Earth. Moreover, recent technological developments ensure higher resolution and broader coverage to monitor disasters, meteorology, air quality, vegetation, hydrology, and polar regions. AI is a powerful tool for creating high-quality satellite images and for observation of the Earth's environmental phenomena using advanced computing power. We invite colleagues' insights and contributions to various research areas involving remote sensing combined with an AI approach. Papers can be focused on, but are not limited to: AI-based spatiotemporal image fusion for environmental monitoring; Satellite-based disaster management using AI models; AI-based retrieval algorithm for the satellite products in the atmosphere, ocean, agriculture, forests, hydrology, and ecology.

Guest Editor

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Deadline for manuscript submissions

closed (26 May 2024)



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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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