



AI-Driven Satellite Data for Global Environment Monitoring

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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