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Advanced Integration of Remote Sensing Techniques with AI on Geo-Environmental Hazards Detection

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Deadline for manuscript submissions:
closed (31 May 2024)

Message from the Guest Editors

Dear Colleagues,

Remote sensing techniques play a crucial role in geo-environmental hazard detection. The major remote sensing data types include optical, thermal, microwave, and laser scanning images. They are usually collected from airborne and spaceborne platforms which provide numerous valuable data for geo-hazard detection.

In recent years, emerging from traditional statistical learning methods, AI and deep-learning methods enabled us to learn from advanced representations within the dataset and perform end-to-end optimization. There is a huge potential to apply AI, deep learning, and other data science technology to extract information from remote sensing images and enhance human understanding of geo-environmental protection and geohazards prevention.

The main aim of this Research Topic is to integrate remote sensing techniques with deep learning and AI to provide more accurate detection of geo-environmental hazards. We invite researchers and experts from all over the globe to submit high-quality, original research papers or comprehensive reviews.

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Editor-in-Chief

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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.

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