

Special Issue

Deep Learning and Big Data Mining with Remote Sensing

Message from the Guest Editors

The aim of this Special Issue is to publish basic and empirical research focused on (i) applying AI/DL along with remote sensing for different applications, with a specific focus given to extreme events; (ii) developing new data and image fusion techniques and statistical/mathematical models that allow high spatio-temporal resolution products to be derived; and (iii) assessing quality issues, including ethics, privacy and reproducibility/replicability of the derived products. The Special Issue contributes to the journal's goal to publish methodological and applied papers pertaining to every aspect of remote sensing.

- Challenges in collecting, processing and analyzing Big Data for real-time applications;
- Data fusion of multi-source and/or heterogeneous datasets;
- Privacy, reproducibility and replicability of remote sensing and AI-derived products;
- Geo-visualization techniques to analyze and visualize remote sensing data;
- Technological advances in hardware and data management;
- Large-scale spatial data mining;
- Spatial downscaling;
- Virtual 3D mapping and analysis using remote sensing data.

Guest Editors

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Dr. Guido Cervone

Dr. Xinyue Ye

Deadline for manuscript submissions

closed (31 August 2023)



Remote Sensing

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Impact Factor 4.1
CiteScore 8.6



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About the Journal

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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