

## Special Issue

# Deep Learning and Foundation Models: Advancing Remote Sensing Applications

### Message from the Guest Editors

Remote sensing has become an active area of research over the past few years. Today, unlike in the past, large amounts of data are accessible, and many applications are now derived from crossovers of imaging, sensing, machine vision and artificial intelligence.

To this end, this Special Issue builds upon the success of its first edition and will carry on for a second volume. In particular, it undertakes a wide range of applications that make use of deep learning methodologies applied to remote sensing data. For instance, potential submissions may cover (but are not limited to) the following deep learning-driven topics:

Image classification, segmentation, fusion, super-resolution and inpainting;  
Adversarial techniques;  
Area reconstruction or removal;  
UAV image analysis;  
Changes in detection;  
Remote Sensing of aquatic environments;  
Remote sensing in forestry;  
Assessing natural hazards;  
Land use/cover;  
Urban development assessment;  
Precision farming;

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### Guest Editors

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Dr. Mawloud Guermoui

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### Deadline for manuscript submissions

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## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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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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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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