

## Special Issue

# Applications of Artificial Intelligence Methods to Agroforestry Remote Sensing

### Message from the Guest Editors

This Special Issue focuses on the applications of deep learning to agricultural and forestry remote sensing fields, showcasing cutting-edge methods that bridge technological innovation with practical needs in agricultural and forestry environments. It welcomes original research and review articles on advanced methods for processing and analyzing multi-source remote sensing data. The research data include any remotely sensed data from spaceborne, airborne, and ground-based instruments.

Key topics include **crop and tree species classification, vegetation segmentation, object detection, pest and disease identification, and yield or biomass estimation.**

The focus is on **practical deep learning solutions** for real-world agricultural and forestry challenges.

Emphasis is on **multi-sensor data fusion, spatiotemporal modeling, and lightweight model design** to enhance system robustness, real-time performance, and deployment flexibility. These innovations will enable intelligent decision support to boost productivity, optimize resource use, and promote sustainable management.

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### Guest Editors

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## Remote Sensing

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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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