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.

Guest Editors

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Dr. Shukor Sanim Mohd Fauzi

Deadline for manuscript submissions

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MDPI

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Message from the Editorial Board

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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