Special Issue

Remote Sensing Imagery for Agricultural Monitoring and Precision Farming

Message from the Guest Editors

The trajectory of agricultural monitoring and precision farming is marked by exciting convergence. High-resolution, multi-temporal remote sensing data from diverse platforms—satellites, drones, and even ground-based sensors—are becoming increasingly accessible. This Special Issue serves as a platform to showcase the latest breakthroughs in leveraging the combined power of remote sensing and artificial intelligence for the advancement of modern agriculture. We seek contributions that present novel AI algorithms and methodologies applied to a variety of remote sensing imagery for enhanced crop monitoring, resource optimization, and automation. Key areas of focus include AI-driven analysis for farmland infrastructure, precise crop health assessment, early detection of stressors, accurate yield prediction, efficient water and nutrient management, and the development of intelligent systems for autonomous farming operations. By highlighting these innovative approaches, this Special Issue aims to underscore the critical role of remote sensing and AI in shaping a more sustainable and productive agricultural future.

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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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