Special Issue

Remote Sensing Technologies in Precision Agriculture: From Ground Vehicles to Aerial and Handheld Platforms

Message from the Guest Editors

This Special Issue on “Remote Sensing Technologies in Precision Agriculture: From Ground Vehicles to Aerial and Handheld Platforms” invites researchers to contribute innovative studies that advance the application of proximal sensing technologies in agriculture. As the demand for sustainable and efficient farming practices grows, integrating advanced sensing platforms becomes crucial for optimizing crop management, enhancing productivity, and reducing environmental impact. These technologies can potentially revolutionize how we approach agriculture by enabling real-time, high-resolution monitoring and decision-making at the field level. This Special Issue explores various technologies, such as uncrewed and crewed ground vehicles, UAVs, and handheld devices integrated with sensors to precisely monitor crops, soil, and environmental conditions. Farmers can make data-driven decisions using these tools that lead to improved yields, reduced resource use, and minimized environmental impact. The advancements in sensor technology and data analytics are transforming traditional farming practices and paving the way for the future of digital agriculture.

Guest Editors

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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.

Editor-in-Chief

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