

Special Issue

Crop Yield Estimation Based on Remote Sensing and Artificial Intelligence

Message from the Guest Editors

Yield predictions are crucial for enabling farmers to make informed decisions in the field. Particularly valuable are those predictions that can be made well in advance of the harvest. Yield predictions involve numerous parameters pertaining to plants (e.g., fruit size, area, type of crop), weather conditions, plant systems, pruning, among others. In recent years, artificial intelligence has played a significant role in yield predictions across extensive crops, orchard crops, and horticulture. Remote sensing technologies, such as LiDAR, satellite imagery, and multispectral and hyperspectral information, have become especially important. This information can be gathered using both terrestrial and aerial platforms. This Special Issue aims to cover all the solutions proposed by researchers for estimating crop yields, with a focus on applications in real-world agriculture. Topics may span a broad range of studies, provided they involve the use of remote sensing and artificial intelligence.

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.

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