Special Issue

Imaging for Plant Phenotyping

Message from the Guest Editors

Climate change is taking its toll on crop production worldwide due to changing agronomic conditions through warming, variability of climate, and abiotic stresses along with resource limitations. The last 20 years have observed significant progress in the genomics for plant breeding research. Linking these advances to crop phenotypes is critical for successful identification of superior cultivars, but this is still limiting. To overcome this challenge, high-throughput phenotyping has emerged as a multidisciplinary area of research combining non-invasive state-of-the-art sensors, image analysis, and predictive modelling to estimate plant phenotypic traits at scale with reduced manpower effort. The rapid development in sensors and low-cost platforms are expected to ease the current phenotyping bottleneck and offer researchers with novel insights to help guide ways to improve crop productivity and adaptation. This Special Issue is focused on the latest innovative research in the integration of sensing technologies and methodological advances to estimate crop phenotypic traits. We welcome papers discussing the integrations of remote sensing in plant phenotyping.

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 peerreview 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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