

Special Issue

Phenotyping Technologies for Resistance Screening, Crop Breeding and Precision Agriculture

Message from the Guest Editors

Climate change poses a great threat to sustainable food production worldwide, but the rapid growth of human demand for foods requires that the plant yields have to continue to increase each year. Optimization of soil management, early diagnosis of crop diseases, and breeding of resistant cultivars are the keys to increasing global food production. Phenotyping technologies, from proximal to remote sensing, allow for rapid monitoring of orchards or crops at different scales, thereby informing the genetics of plant traits. This Special Issue is looking for studies covering different phenotyping technologies management guide the selection of productive plants. Topics may cover anything on the automatic identification and assessment of plant traits, including stress tolerance, chemical aspects, and structural and functional aspects from individual plant organs to full fields. Hence, different sensing techniques and multiple scales of phenotyping studies focused on resistance screening, crop breeding, precision agriculture are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (1 December 2023)



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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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