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Optical Sensing for Agricultural Applications

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Message from the Guest Editors

Dear Colleagues,

In recent decades, the management of agricultural fields has advanced significantly. With the development and utilization of sensing systems for agricultural operations, farmers and farm managers are now able to take informed decisions based on real data from the field. In this respect, optical sensing has become a widely accepted solution for monitoring field, crop and soil status. Thus, advanced field management may be supported by incorporating information from various optical sensors: consumer-grade RGB-D (red-green blue-depth) cameras, and LiDAR and multispectral sensors, acquired by various remote and proximal platforms (satellites, planes, unmanned aerial vehicles (UAVs), unmanned ground vehicles (UGVs), etc.), or sensing systems installed on conventional equipment such as tractors and other human-operated vehicles. The functions of these optical sensors in agriculture include yield prediction, soil sensing, nutrient and pesticide applications, and many more.

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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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