Special Issue

Application of Hyperspectral Imagery in Precision Agriculture

Message from the Guest Editor

Precision agriculture leveraging remote sensing will be vital for future global food security. Growers need to be equipped with strategies to detect crop threats and respond with targeted mitigation that is cost-effective and sustainable. This Special Issue provides an opportunity to highlight leading-edge remote sensing research that addresses critical issues facing agricultural systems, such as efficient water use, monitoring croplands for crop pest and disease threats, and developing targeted nutrient applications. New sensor systems in precision agriculture include high-resolution spectral and spatial hyperspectral sensors aboard UAVs that allow the identification of crop threats at leaf scale by examining their spectral signatures. Machine learning and artificial intelligence applied to these data are opening the doors to the early detection and removal of diseased plants or those infected with viruses or other pathogens. Papers describing hyperspectral sensor applications across agricultural crop types are encouraged for this Special Issue.

Guest Editor

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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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