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Remote Sensing for Crop Growth Monitoring

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Deadline for manuscript submissions:
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Message from the Guest Editors

In recent years, we have observed growing interest in the application of remote sensing in agriculture, offering novel opportunities to enhance crop production and yields and reduce environmental impact. Thanks to remote sensing, it is possible to monitor the phenological state of crops and detect pests and diseases, water requirements, and other factors that determine their production. However, we still need to work on analyzing and interpreting remote sensing data so that they can be used more effectively.

Therefore, this Special Issue aims to combine original research and review articles on recent advances, technologies, solutions, applications, and new challenges in crop growth monitoring.

Potential topics include, but are not limited to, the following:

- Crop modelling;
- Crop growth modelling;
- Processing of remote sensing data for agronomic information;
- Artificial intelligence-based platforms;
- Statistical methods to identify and evaluate the different factors affecting crop growth based on remote sensing data;
- Use of remote sensing data to identify crop growth and the factors affecting it;
- Machine learning applications in agriculture based on remote sensing.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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