Special Issue

Crop Yield Estimation through Remote Sensing Data

Message from the Guest Editors

Highly accurate and reliable crop yield estimation is critical for improved crop production process management and strategic planning. Remote sensing has been studied and developed for crop yield estimation. However, it is still being investigated with the aim of increasing the accuracy and reliability of crop yield estimation. This Special Issue aims to provide a perspective of the development and application of crop yield estimation through remote sensing from spaceborne, airborne and ground-based systems. Machine/deep learning has recently been brought in to increase the accuracy and reliability of crop yield estimation using remotely sensed data. This Special Issue invites authors to share their achievements on topics including but not limited to the following related to crop yield estimation through remote sensing: (1) at national or regional scale for crop production planning; (2) at farm or field scale for precision agriculture operations; (3) assimilation remote sensing data into crop models; (4) developing specialized machine/deep learning schemes and algorithms.

Guest Editors

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Deadline for manuscript submissions

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