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Crop Yield Estimation through Remote Sensing Data

Guest Editors:

Dr. Yanbo Huang
United States Department of Agriculture, Agricultural Research Service, Genetics and Sustainable Agriculture Research Unit, Mississippi State, MI, USA

Dr. Ali C. Gurbuz
Department of Electrical and Computer Engineering, Mississippi State University, 406 Hardy Road, 216 Simrall Hall, Mississippi State, MS 39762, USA

Dr. Xin Zhang
Department of Agricultural and Biological Engineering, Mississippi State University, Starkville, MS 39762, USA

Deadline for manuscript submissions:
closed (31 May 2023)

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.

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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