Special Issue

Crop Nutrition Diagnosis and Regulation

Message from the Guest Editors

The focus of this Special Issue is to utilize technological means, such as crop models, remote sensing, and image analysis, to analyze crop growth indicators, nutritional indicators, yield, and quality, thereby achieving precise diagnosis of crop nutrition, accurate prediction of growth information, and precise regulation of yield and quality. By employing crop models and other technical tools, crop nutrition diagnosis models will be established for the purpose of diagnosing nutrient deficiencies and crop growth models will be constructed for the purpose of predicting yield and quality. Remote sensing technologies will be used to monitor crop nutrition and growth indicators, as well as to predict crop growth and yield quality. By integrating models and remote sensing technologies, intelligent algorithms will be developed to monitor and predict crop growth indicators or yield quality. Additionally, artificial intelligence combined with image analysis will be utilized to monitor crop nutrition and growth indicators, and models or algorithms will be constructed to reflect crop growth information.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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