Predictions and Estimations in Agricultural Production under a Changing Climate

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Message from the Guest Editors

Simulations of processes occurring in food production help to understand the combined effects of water and nutrient deficiencies, pests, diseases, the impact of yield variability, and other field conditions during the growing season. In other words, they integrate multiple factors affecting the final production outcome with relatively low prediction error.

Currently, tools supporting prediction in agriculture include classical statistical models, machine learning, GIS tools, satellite and aerial remote sensing, the Internet of Things, or big data. The abovementioned techniques have become allies of decision makers in key decision-making processes, supporting industry databases with relevant information necessary in the process of managing and monitoring agricultural production.

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Message from the Editor-in-Chief

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