Special Issue

Novel Approaches for Sensing Techniques

Message from the Guest Editors

In recent years, innovative sensing techniques have been adopted as methods to detect plant responses. Recent efforts in novel approaches have focused on enhancing the techniques and automating the process using statistics, data analysis, image processing, and artificial intelligence. Agricultural automation engineering is an industry-wide solution for expanded global crop production. Sensing technology is a prominent factor in agricultural engineering progress because it allows for greater efficiency, reliability, and speed in a range of tasks related to agriculture from planting through processing. We proudly invite the community of scholars to submit their research from across the spectrum of novel sensing techniques in the area of agriculture, plant science, and breeding. Contributions could include but are not limited to high-throughput phenotyping, digital agriculture, data science, machine learning, precision irrigation, plant physiology, water management, precision fertilization, robotics, precision agriculture, smart farming, remote or proximal sensing, machine vision, robotics in agriculture, Internet of Things, and smart farming.

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