



Advances in Agriculture Mechanization

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Message from the Guest Editor

Dear Colleagues,

Agricultural mechanization has almost replaced human and animal agricultural operations, creating a comfortable, safe, and attractive environment for workers, and enhanced work efficiency. These advances are making their way to address the challenges of food security in the coming decades, as agricultural land is shrinking because of urbanization. Coupling of intelligent sensing and control systems in traditional farming operations (ploughing, seeding, irrigation, fertilization, pesticide applications, etc.) are expanding enormously due to their economic and environmental benefits. This Special Issue covers the recent advances in agriculture mechanization, including machine design, post harvesting technologies, precision agriculture technologies, variable rate applications, spatial and temporal variability, soil and water management, irrigation and drainage, and integration of sensors and control systems in agricultural machinery.

Dr. Aitazaz A. Farooque

Guest Editor





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Message from the Editor-in-Chief

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