



Design and Application of Agricultural Equipment in Tillage System

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Message from the Guest Editors

Tillage is an vital part of crop production, particularly for seedbed preparation and weed control. Tillage operations commonly by using a tractor-drawn tool to achieve cutting, inversion, pulverization, and disturbance of the soil. A significant part of the energy (from fossil fuels) used in crop production is expended in tillage, which increases greenhouse gas emissions. It is essential that we reduce energy use to achieve sustainable farming practice, and that we improve crop production, design new tillage tools or optimize existing tools. With the recent technological improvements, computer and software technology have gained a great deal of interest from researchers for the design and evaluation of tillage tools. Additionally, sensor technology has also been adopted to improve the efficiency of tillage tools.

This Special Issue aims to collate innovative papers that make a significant contribution to the design and application of agricultural equipment in tillage systems. It welcomes original research and review papers from different research fields, including but not limited to agricultural engineering, engineering simulation, and precision agriculture.





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Message from the Editor-in-Chief

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