Special Issue

Design and Application of Agricultural Equipment in Tillage System

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.

Guest Editors

Dr. Mustafa Ucgul

Faculty of Science and Engineering, Southern Cross University, Lismore, NSW 2480, Australia

Prof. Dr. Chung-Liang Chang

Department of Biomechatronics Engineering, National Pingtung University of Science and Technology, Pingtung County 91201, Taiwan

Deadline for manuscript submissions

closed (15 December 2022)



Agriculture

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Impact Factor 3.6 CiteScore 6.3



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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

mdpi.com/journal/agriculture





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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. Agriculture is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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