# Special Issue

# Sustainable Farm Equipment for Field Management: Recent Trends and Future Perspectives

## Message from the Guest Editors

Sustainable agriculture is an important guarantee to achieve stable and high grain yields and is also one of the most pressing challenges of modern agriculture. Sustainable farm equipment is an important means to improve agricultural production quality and production efficiency and realize sustainable agriculture. In addition, sustainable farm equipment incorporates these principles without the cultivation of more land and loss of unfarmed habitats and with increases in system performance that incur no net environmental cost. It is necessary to promote research and dissemination of results on sustainable farm equipment, specifically with regard to soil mulch, subsoiling, precision seeding and fertilization, smart spraying, water-saving irrigation, and efficient harvesting. This Special Issue focuses on the development and assessment of sustainable farm equipment for field management to construct a sustainable farm system. This Special Issue welcomes highly interdisciplinary quality studies from disparate research fields including agriculture, engineering design, calculation and modeling, environmentalism, soil protection, and even ergonomics and ecosystem management.

#### **Guest Editors**

Prof. Dr. Hongwen Li

College of Engineering, China Agricultural University, Beijing, China

Prof. Dr. Jin He

College of Engineering, China Agricultural University, Beijing, China

## Deadline for manuscript submissions

closed (20 October 2022)



# **Agriculture**

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



mdpi.com/si/117837

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

mdpi.com/journal/agriculture





# **Agriculture**

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



# **About the Journal**

## Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

#### 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

#### **Author Benefits**

## **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

#### **Journal Rank:**

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

