



Design, Optimization and Analysis of Agricultural Machinery

Guest Editor:

Dr. Massimiliano Varani

Department of Agricultural and
Food Sciences, Alma Mater
Studiorum, Università di
Bologna, 40127 Bologna, Italy

Deadline for manuscript
submissions:

closed (5 March 2024)

Message from the Guest Editor

With a growing population, the challenges prescribed by the EU Green Deal and Farm2Fork strategies are pushing farmers to increase the productivity and efficiency of their practices. In this context, the design, optimization and analysis of agricultural machinery are key topics that are addressed nowadays by scholars and major world producers in the sector. These topics cover the application of engineering principles to develop, improve, and evaluate machines used in agriculture. These machines include tractors, harvesters, planters, and other equipment used for planting, harvesting, and processing crops.

This Special Issue focuses on the role that agricultural mechanization plays in the development of a more efficient, safe and sustainable agricultural sector. This is why it encourages high-quality, interdisciplinary research in a variety of areas, such as engineering design, safety and health, robotics and automation, agronomy as well as field data collection and analysis. Original research articles and reviews are accepted.





an Open Access Journal by MDPI

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

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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 - Q2 (*Plant Science*)

Contact Us

Agriculture Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agriculture
agriculture@mdpi.com
[X@AgricultureMdpi](https://twitter.com/AgricultureMdpi)