

Special Issue

Soil-Machine Systems and Its Related Digital Technologies Application

Message from the Guest Editors

The mechanization of agricultural works has greatly contributed to the improvement of agricultural productivity. In the fourth industrial revolution digital agriculture using various types of data obtainable from different sensors is also being applied to the agriculture domain. Cutting-edge agricultural machinery such as unoccupied aircraft systems, autonomous tractors, and automated harvesting robots are being developed and commercialized for cost-effective production and sustainable agriculture, based on an understanding of both digital agriculture technologies and soil-machine systems. This Special Issue focuses on research regarding soil-machine systems and digital agriculture technologies, including development of new agricultural equipment, application of new technologies to existing systems, integration of big data and AI into machine systems, and development of new concept and technology in precision agriculture. The scope is from traditional to cutting-edge agricultural systems. Soil-related and data-driven research is also of interest.

Guest Editors

Dr. Ju-Seok Nam

Department of Biosystems Engineering, Kangwon National University, 1 Kangwondaehak-gil, Gangwon-do, Chuncheon 24341, Republic of Korea

Dr. Anjin Chang

Department of Agricultural Sciences and Engineering, Tennessee State University, Nashville, TN 37209, USA

Deadline for manuscript submissions

30 September 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/235073

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

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



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

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)