

Special Issue

Efficient Utilization of Farmland Resources in Arid and Semi-arid Regions

Message from the Guest Editors

The world's agricultural land area is ca. 5 billion hectares, accounting for 38% of the world's land area. Nearly 80 % of this arable land is located in arid and semi-arid regions, which contribute 60% to world food production. In the context of climate change and increased natural disasters, agriculture in these regions is facing major challenges such as the depletion of natural resources, water scarcity, frequent droughts and agroecosystem degradation. Therefore, improving the efficient utilization of farmland resources in arid and semi-arid regions has become an urgent priority to ensure the world's food supply and security. Additionally, plans and strategies for sustainable agricultural management practices (such as straw mulching, no tillage, intercropping rotation, the efficient utilization of water and fertilizer, the application of green manure and organic fertilizers, etc.) need to be vigorously promoted.

Guest Editors

Prof. Dr. Xiaohong Tian

Prof. Dr. Rui Yin

Prof. Dr. Lichao Fan

Dr. Xuechen Zhang

Dr. Xiangtian Meng

Deadline for manuscript submissions

closed (25 May 2024)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/190089

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)